SAMSUNG

TFT-LCD MONITOR

Chassis MH17FS

Model 730MP

SERVICE Manual

TFT-LCD MONITOR

CONTENTS

1. Precautions
2. Product Specifications
3. Disassembly & Reassembly
4. Alignment & Adjustments
5. Troubleshooting
6. Exploded View & Parts List
7. Electrical Parts List
8. Block Diagram
9. Wiring Diagram
10. PCB Layout
11. Schematic Diagrams
12. Panel Description

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. PBA and panel components are very sensitive to static electricity. Always wear anti-static gloves when handling PBA or panel. Use an anti-static wrist strap and/or work bench. Keep parts in protective bags until ready for use.
2. Do not use or apply excessive force when handling panel. Damage to liquid crystal display may result from improper handling.

1-1-3 Fire and Shock Hazard

Before returning the LCD monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LCD monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING: Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

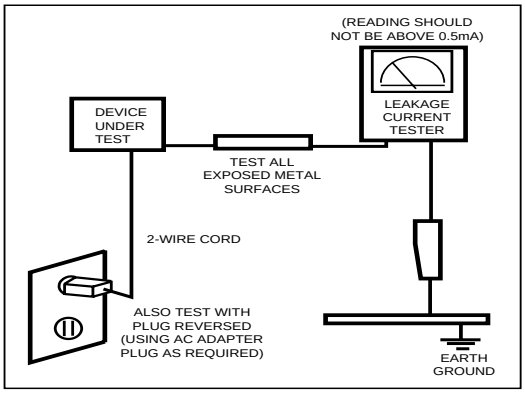


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 220V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: **Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.**

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LCD monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: **Be sure no power is applied to the chassis or circuit and observe all other safety precautions.**
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black, 17-Inch viewable, 0.294 mm pixel pitch	
Scanning Frequency	Horizontal : 31 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 1024 Pixels	
Input Video Signal	Analog 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated Digital : TMDS	
Input Sync Signal	Type : Separate Composite H/V Sync, automatic synchronization without external switch of sync type Level : TTL level	
Maximum Pixel Clock rate	135 MHz	
Active Display Horizontal/Vertical	337.92(H) mm / 270.336(V) mm	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60 / 50 Hz ± 3 Hz	
Power Consumption	58 W (Max), (2W Power)	
Dimensions (W x H x D) Set Package	 19.5 x 14.9 x 6.7 Inches (496 x 378 x 170 mm) 22.7 x 17.3 x 7.6 Inches (577 x 439 x 193 mm)	
Weight (Set/Package)	5.9 kg (13.0 lbs) / 7.9 kg (17.4 lbs)	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 %	
TV System	Tuning	Frequency Synthesize
	Color	PAL, SECAM, NTSC 4.43
	Sound	BIG, DIK, I, L
Antenna Input	75Ω, Coaxial Cable	
Sound Characteristic	– MAX Internal speaker Out : Right => 5 W Left => 5 W – BASS Control Range : -12dB~ + 12dB – TREBLE Control Range : -12dB~ + 12dB – Headphone Out : RF => 5mW max (400m Vrms) A/V => 10mW max (580 Vrms), Max Input sound : -9 dBm – Output Frequency (TBD) : RF => 100 Hz ~ 15 kHz A/V => 100 Hz ~ 15 kHz	

2-2 Pin Assignments

Sync Type / Pin No.	15 Pin signal cable connector	
	Separate H/V	Composite H/V
1	Red	Red
2	Green	Green
3	Blue	Blue
4	No Connection	No Connection
5	GND (DDC Return)	GND (DDC Return)
6	GND-Red	GND-Red
7	GND-Green	GND-Green
8	GND-Blue	GND-Blue
9	No Connection	No Connection
10	GND-Sync/Self Test	GND-Sync/Self Test
11	No Connection	No Connection
12	DDC Data	DDC Data
13	Horizontal Sync	H/V Sync
14	Vertical Sync	Not Used
15	DDC Clock	DDC Clock

Sync Type / Pin No.	24 - Pin DVI - D (TMDS)		
1	Rx2-	13	No Connection
2	Rx2+	14	DDC Power Input (+5V)
3	GND	15	Self Raster
4	No Connection	16	Connection Signal Output (+5V)
5	No Connection	17	Rx0-
6	DDC Clock (SCL)	18	Rx0+
7	DDC Data (SDA)	19	GND
8	No Connection	20	No Connection
9	Rx1-	21	No Connection
10	Rx1+	22	GND
11	GND	23	RxC+
12	No Connection	24	RxC-

2-3 Timing Chart

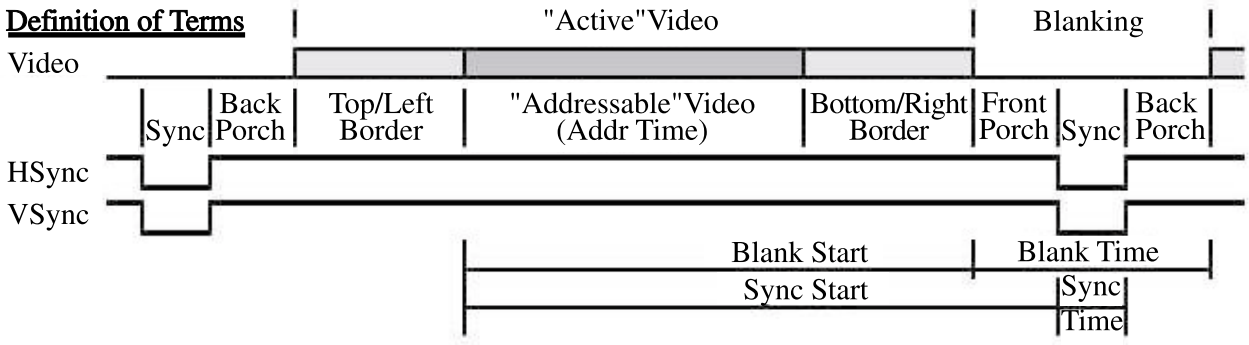
The timing no. is standardizde by Samsung to apply the same signal to all monitors manufactured by Sam sung

2-3-1 LCD Panel Mode : 1 mode

※ N/I : Non-Interlaced, I : Interlaced

Table 2-1 Timing Chart

Originator Mode Name Resolution (HxV)	VESA 1280/60Hz 1280x1024			
HORIZONTAL Frequency Total time Active time Blank time Border (L / R) Data time Front porch Sync. width Back porch Sync. polarity	 63.981kHz 11.852ß 9.259ß 3.778ß 0.000ß 9.259ß 0.444ß 1.037ß 2.296ß Positive	blank	blank	blank
VERTICAL Frequency Total time Active time Blank time Border (T / B) Data time Front porch Sync. width Back porch Sync. polarity	 60.020Hz 16.005ms 15.630ms 0.375ms 0.000ms 15.630ms 0.016ms 0.047ms 0.594ms Positive	blank	blank	blank
Dot Clock	108.00MHz			
Sync. Type Scan Type	Separate N/I			



2-3-2 Supported Modes (1)

Any timing modes that can be formed within the operating horizontal and vertical frquency range.

Table 2-2 Timing Chart

Originator	IBM	IBM	IBM	MAC	VESA
Mode Name	VGA1	VGA2	VGA3	640/67Hz	640/72Hz
Resolution (HxV)	640x350	720x400	640x480	640x480	640x480
HORIZONTAL					
Frequency	31.469kHz	31.469kHz	31.469kHz	35.000kHz	37.861kHz
Total time	31.778ß	31.777ß	31.778ß	28.571ß	26.413ß
Active time	26.058ß	26.058ß	26.058ß	21.164ß	20.825ß
Blank time	5.720ß	5.720ß	5.720ß	7.407ß	5.588ß
Border (L / R)	0.318ß	0.318ß	0.318ß	0.000ß	0.254ß
Data time	25.422ß	25.422ß	25.422ß	21.164ß	20.317ß
Front porch	0.318ß	0.318ß	0.318ß	2.116ß	0.508ß
Sync. width	3.813ß	3.813ß	3.813ß	2.116ß	1.270ß
Back porch	1.589ß	1.589ß	1.589ß	3.175ß	3.810ß
Sync. polarity	Positive	Negative	Negative	Negative	Negative
VERTICAL					
Frequency	70.086Hz	70.087Hz	59.940Hz	66.667Hz	72.809Hz
Total time	14.268ms	14.268ms	16.683ms	15.000ms	13.735ms
Active time	11.504ms	13.155ms	15.761ms	13.714ms	13.100ms
Blank time	2.764ms	1.113ms	0.922ms	1.286ms	0.635ms
Border (T / B)	0.191ms	0.222ms	0.254ms	0.000ms	0.211ms
Data time	11.122ms	12.711ms	15.253ms	13.714ms	12.678ms
Front porch	0.985ms	0.191ms	0.064ms	0.086ms	0.026ms
Sync. width	0.064ms	0.064ms	0.064ms	0.086ms	0.079ms
Back porch	1.716ms	0.858ms	0.794ms	1.114ms	0.528ms
Sync. polarity	Negative	Positive	Negative	Negative	Negative
Dot Clock	25.175MHz	28.322MHz	25.175MHz	30.240MHz	31.500MHz
Sync. Type	Separate	Separate	Separate	Separate Composite	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-3 Supported Modes (2) (continued from previous page)

Table 2-3 Timing Chart

Originator Mode Name Resolution (HxV)	VESA 640/75Hz 640x480	VESA 800/56Hz 800x600	VESA 800/60Hz 800x600	VESA 800/72Hz 800x600	VESA 800/75Hz 800x600
HORIZONTAL					
Frequency	37.500kHz	35.156kHz	37.879kHz	48.077kHz	46.875kHz
Total time	26.667ß	28.444ß	26.400ß	20.800ß	21.333ß
Active time	20.317ß	22.222ß	20.000ß	16.000ß	16.162ß
Blank time	6.350ß	6.222ß	6.400ß	4.800ß	5.171ß
Border (L / R)	0.000ß	0.000ß	0.000ß	0.000ß	0.000ß
Data time	20.317ß	22.222ß	20.000ß	16.000ß	16.162ß
Front porch	0.508ß	0.667ß	1.000ß	1.120ß	0.323ß
Sync. width	2.032ß	2.000ß	3.200ß	2.400ß	1.616ß
Back porch	3.810ß	3.556ß	2.200ß	1.280ß	3.232ß
Sync. polarity	Negative	Positive or Negative	Positive	Positive	Positive
VERTICAL					
Frequency	75.000Hz	56.250Hz	60.317Hz	72.188Hz	75.000Hz
Total time	13.333ms	17.778ms	16.579ms	13.853ms	13.333ms
Active time	12.800ms	17.067ms	15.840ms	12.480ms	12.800ms
Blank time	0.533ms	0.711ms	0.739ms	1.373ms	0.533ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.800ms	17.067ms	15.840ms	12.480ms	12.800ms
Front porch	0.027ms	0.028ms	0.026ms	0.770ms	0.021ms
Sync. width	0.080ms	0.057ms	0.106ms	0.125ms	0.064ms
Back porch	0.427ms	0.626ms	0.607ms	0.478ms	0.448ms
Sync. polarity	Negative	Positive or Negative	Positive	Positive	Positive
Dot Clock	31.500MHz	36.000MHz	40.000MHz	50.000MHz	49.500MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-4 Supported Modes (3) (continued from previous page)

Table 2-4 Timing Chart

Originator Mode Name Resolution (HxV)	MAC 832/75Hz 832x624	VESA 1024/60Hz 1024x768	VESA 1024/70Hz 1024x768	VESA 1024/75Hz 1024x768	VESA 1152/75Hz 1152x864
HORIZONTAL					
Frequency	49.726kHz	48.363kHz	56.476kHz	60.023kHz	67.500kHz
Total time	20.110ß	20.677ß	17.707ß	16.660ß	14.815ß
Active time	14.524ß	15.754ß	13.653ß	13.003ß	10.667ß
Blank time	5.586ß	4.923ß	4.054ß	3.657ß	4.148ß
Border (L / R)	0.000ß	0.000ß	0.000ß	0.000ß	0.000ß
Data time	14.524ß	15.754ß	13.653ß	13.003ß	10.667ß
Front porch	0.559ß	0.369ß	0.320ß	0.203ß	0.593ß
Sync. width	1.117ß	2.092ß	1.813ß	1.219ß	1.185ß
Back porch	3.910ß	2.462ß	1.920ß	2.235ß	2.370ß
Sync. polarity	Negative	Negative	Negative	Positive	Positive
VERTICAL					
Frequency	74.551Hz	60.004Hz	70.069Hz	75.029Hz	75.000Hz
Total time	13.414ms	16.666ms	14.272ms	13.328ms	13.333ms
Active time	12.549ms	15.880ms	13.599ms	12.795ms	12.800ms
Blank time	0.865ms	0.786ms	0.673ms	0.533ms	0.533ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.549ms	15.880ms	13.599ms	12.795ms	12.800ms
Front porch	0.020ms	0.062ms	0.053ms	0.017ms	0.015ms
Sync. width	0.060ms	0.124ms	0.106ms	0.050ms	0.044ms
Back porch	0.784ms	0.600ms	0.513ms	0.466ms	0.474ms
Sync. polarity	Negative	Negative	Negative	Positive	Positive
Dot Clock	57.284MHz	65.000MHz	75.000MHz	78.750MHz	108.000MHz
Sync. Type	Separate Composite	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-5 Supported Modes (4) (continued from previous page)

Table 2-5 Timing Chart

Originator	MAC	VESA	VESA	VESA	VESA
Mode Name	1152/75	1280/75Hz	640/85Hz	800/85Hz	1024/85Hz
Resolution (HxV)	1152x870	1280x1024	640x480	800x600	1024x768
HORIZONTAL					
Frequency	68.681kHz	79.976kHz	43.269kHz	53.674kHz	68.677kHz
Total time	14.560ß	12.504ß	23.111ß	18.631ß	14.561ß
Active time	11.520ß	9.481ß	17.778ß	14.222ß	10.836ß
Blank time	3.040ß	3.023ß	5.334ß	4.409ß	3.725ß
Border (L / R)	0.000ß	0.000ß	0.000ß	0.000ß	0.000ß
Data time	11.520ß	9.481ß	17.778ß	14.222ß	10.836ß
Front porch	0.320ß	0.119ß	1.556ß	0.569ß	0.508ß
Sync. width	1.280ß	1.067ß	1.556ß	1.138ß	1.016ß
Back porch	1.440ß	1.837ß	2.222ß	2.702ß	2.201ß
Sync. polarity	Negative	Positive	Negative	Positive	Positive
VERTICAL					
Frequency	75.062Hz	75.025Hz	85.008Hz	85.061Hz	84.977Hz
Total time	13.323ms	13.329ms	11.764ms	11.756ms	11.765ms
Active time	12.667ms	12.804ms	11.093ms	11.179ms	11.183ms
Blank time	0.656ms	0.526ms	0.671ms	0.578ms	0.583ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.667ms	12.804ms	11.093ms	11.179ms	11.183ms
Front porch	0.044ms	0.013ms	0.023ms	0.019ms	0.015ms
Sync. width	0.044ms	0.038ms	0.069ms	0.056ms	0.044ms
Back porch	0.568ms	0.475ms	0.578ms	0.503ms	0.524ms
Sync. polarity	Negative	Positive	Negative	Positive	Positive
Dot Clock	100.000MHz	135.00MHz	36.000MHz	56.250MHz	94.500MHz
Sync. Type	Separate Composite	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

Memo

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the MH17FS LCD Monitor.

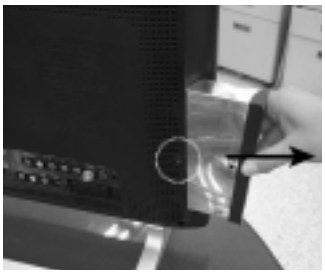
⚠ **WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.**

3-1 Disassembly

⚠ **Cautions: 1. Disconnect the monitor from the power source before disassembly.**

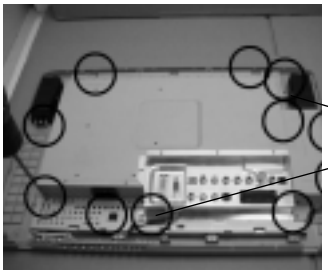
2. When IP-BOARD has a defect, the whole PCB ASS'Y, not a single part, should be replaced.

3. R/Cover opening jig : BH81-00001A



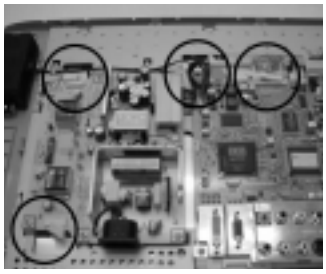
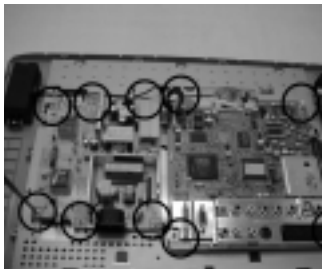
1. Place the monitor face down on cushioned table. Remove 1 screw and remove wiselink from the Monitor.

2. Remove 3 screws from girp on the stand and remove back cover. While pressing the back cover, lift up the stand.
(See Illustrations)

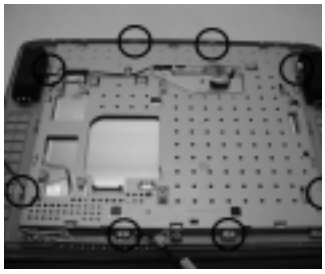


3. Disconnect function cable from the shield and remove 9 screws and 2 connectors from the shield.

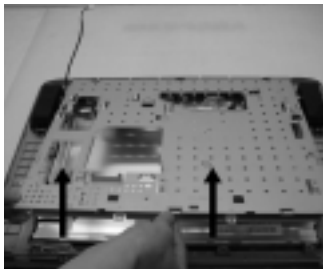
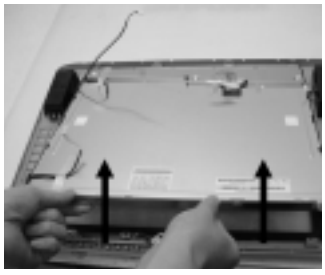
4. Lift up the shield PCB and disconnect inverter holder from the PCB board.

5. Disconnect speaker cable, LVDS cable and 2 inverter cables from the PCB Board and remove 10 screws from the PCB Board.



6. Lift up the PCB board and remove 8 screws from the shield panel.

7. Lift up the shield panel and disconnect panel from the cover front.

8. This picture is panel.

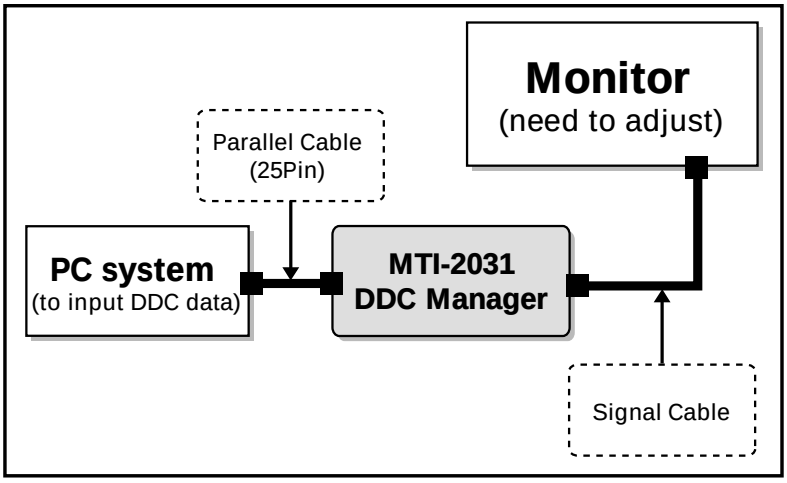
3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

4 Alignments and Adjustments

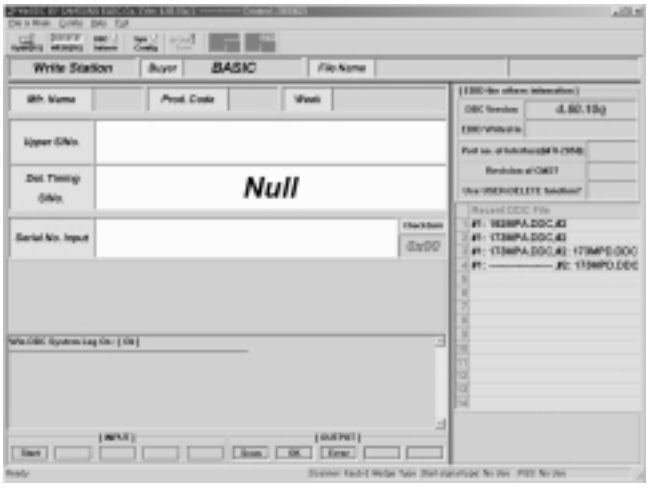
This section describes to adjust LCD monitor after replacing EEPROM, Main PBA or Panel.

4-1 DDC jig installation

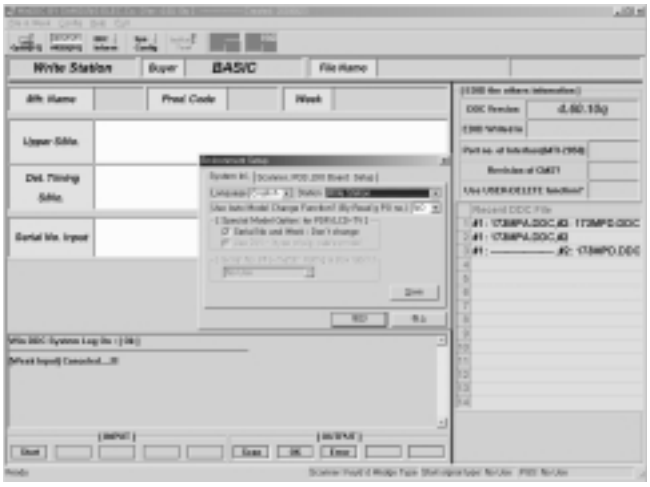


* Please use DVI cable connection adapter for DVI input.

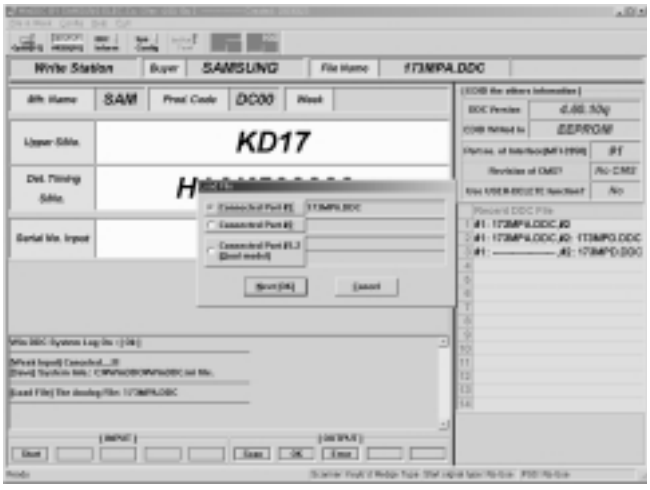
4-2 How to execute DDC



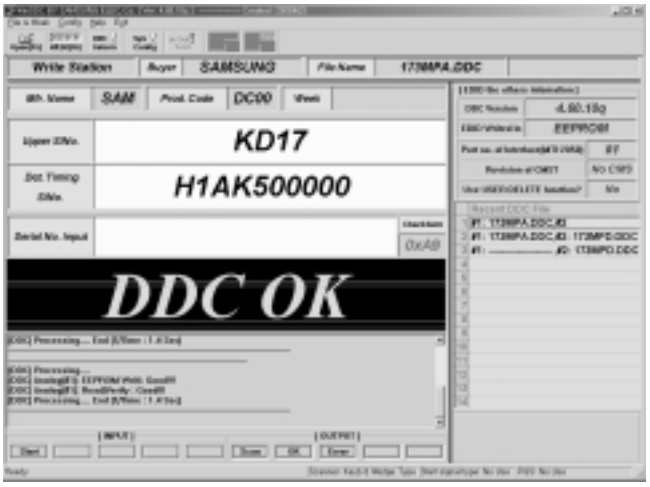
1. Execute "WinDDC.exe"



2. Click “Sys Config”
   Select “Station : Write station”.
   Check “Serial No and Week : Don’t change”
   Click “Save”



3. Click “Open” icon.
   Select “Connected Port #1” and Next “OK”.
   * File Name - 730MPA.DDC : Analog
   730MPD.DDC” : DVI
   Press enter key on your keyboard.



4. Confirm the “DDC OK”.

4-3 Factory Mode Adjustments

4-3-1 Factory Mode Admission

- PAL : [Power off] -> [INFO] -> [MENU] -> [MUTE] -> [Power ON]

- NTSC : [Power off] -> [MUTE] -> [1] -> [8] -> [2] -> [Power ON]

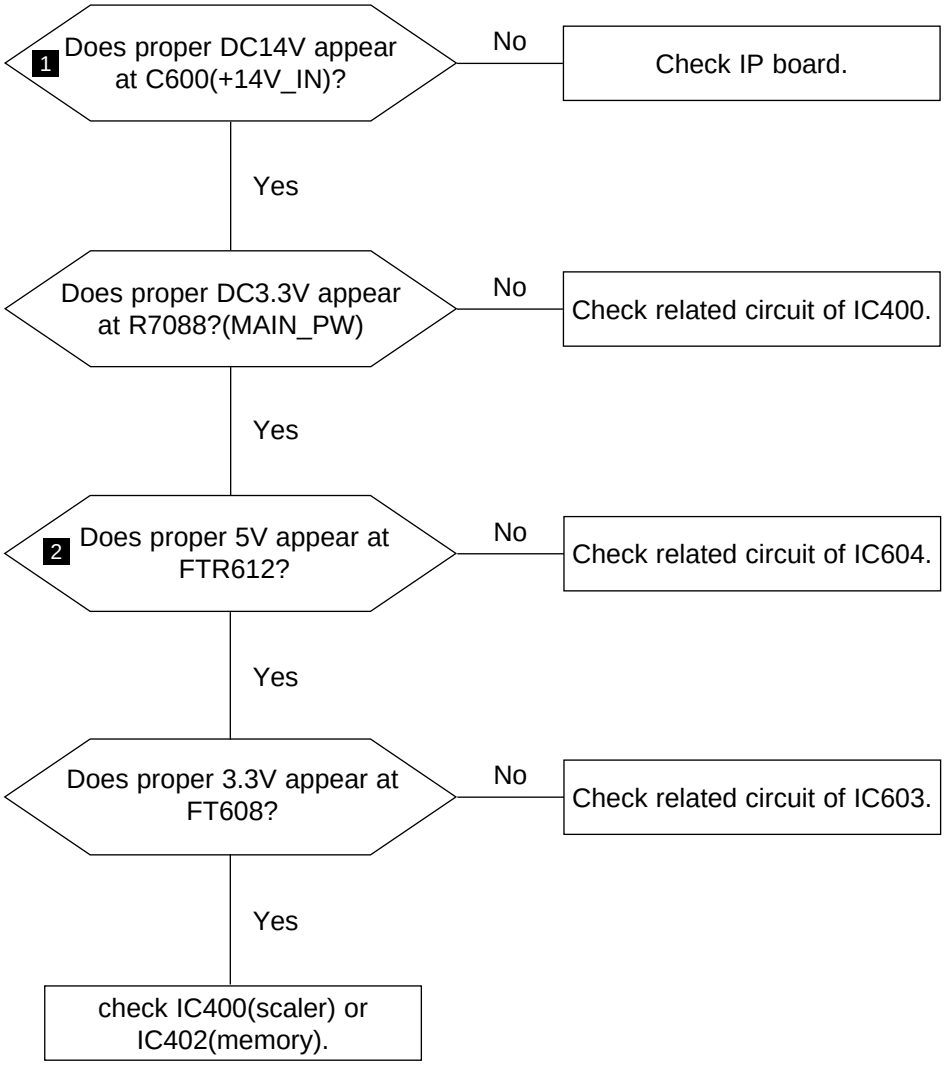
4-3-2 Factory Mode OSD

- DDP
  - NCE
    - GAMMA
  - BLE
    - BLE MODE
    - BLE GAIN
    - BLE TILT
    - STATIC BLE
  - CUT OFF
    - R CUT OFF
    - B CUT OFF
    - G CUT OFF
  - WHITE DRIVE
    - R DRIVE
    - B DRIVE
    - G DRIVE
  - BLUE STRETCH
  - LTI
    - LTI CORING
    - LTI GAIN
  - CTI
    - CTI CORING
    - CTI GAIN
  - PEAKING
    - Pos Peak
    - Neg Peak
    - Peak Coring
  - Adjust Misc
    - Brightness
    - Contrast
    - Saturation
    - Tint
    - Int Brightness
- VSP
  - Brightness
  - Contrast
  - Cb Saturation
  - Cr Saturation
  - Tint
- MSP
  - FM - AM - Presc
  - NICAM - Presc
  - SCART - Presc
  - BBE

- ADC 9883
  - RED Gain
  - BLUE Gain
  - GREEN Gain
  - RED Offset
  - BLUE Offset
  - GREEN Offset
- Auto Color
- Custom Color
  - RED Gain
  - BLUE Gain
  - GREEN Gain
- Panel Info
  - Total Hr
  - Upper Lamp Hr
  - Lower Lamp Hr
- Reset
- Auto Adj
  - Off
  - On
- Option
  - Suwon CH. Table
  - SESK CH. Table
  - SAMEX CH Table
  - Erase NVRam
- Check Sum

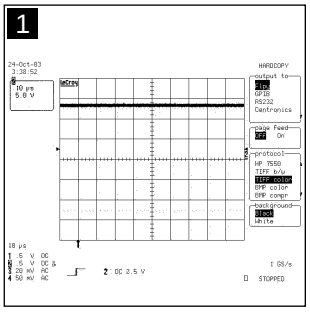
5 Troubleshooting

5-1 No Power

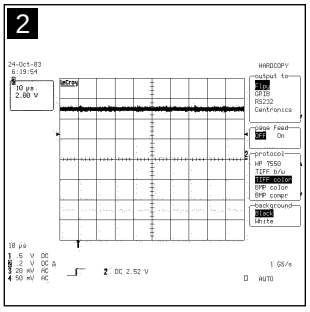


WAVEFORMS

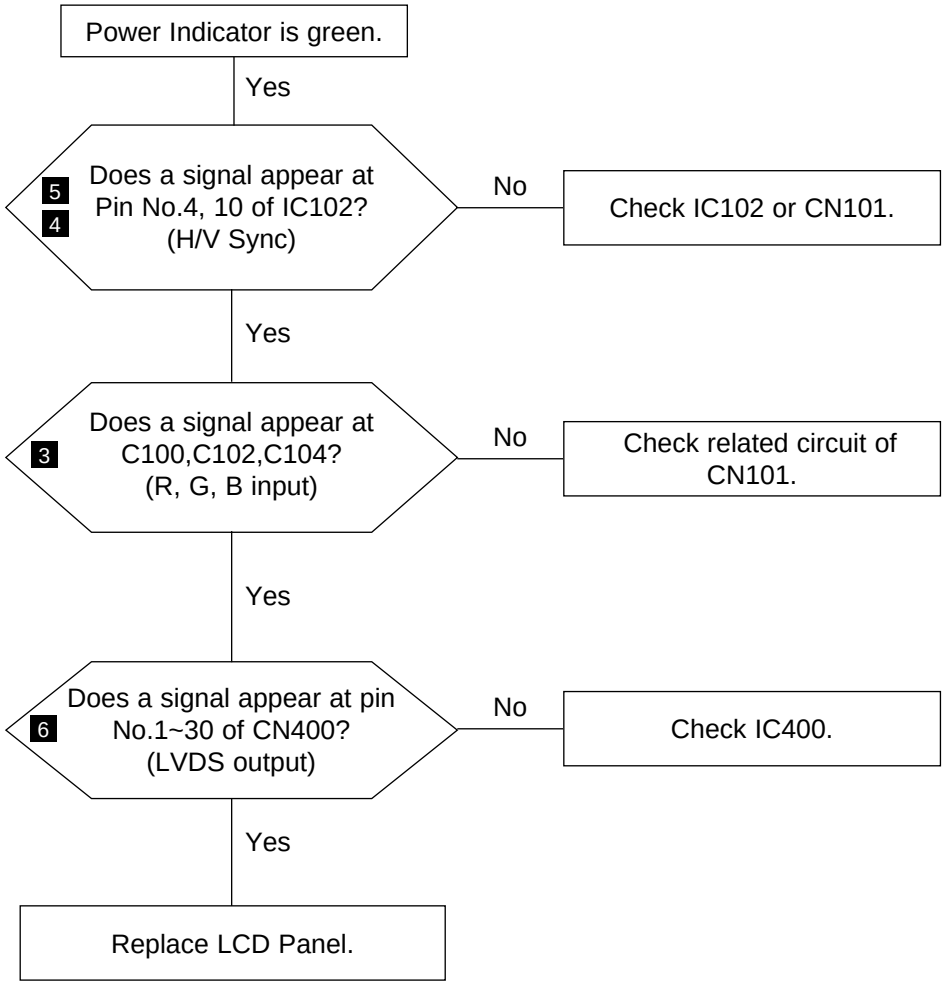
1



2

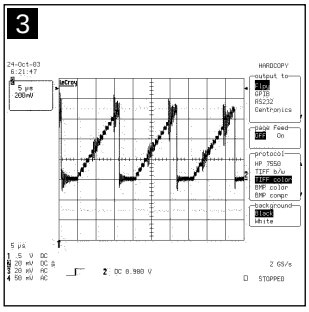


5-2 No Video (PC Signal)

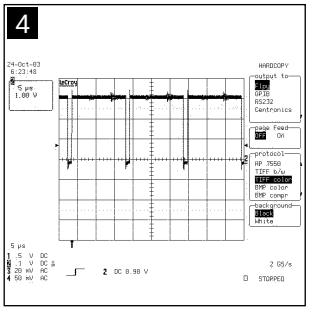


WAVEFORMS

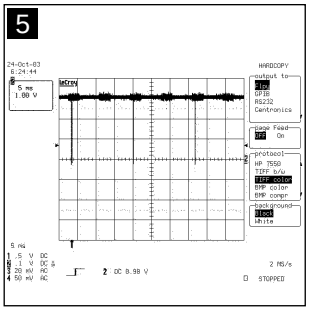
3



4



5



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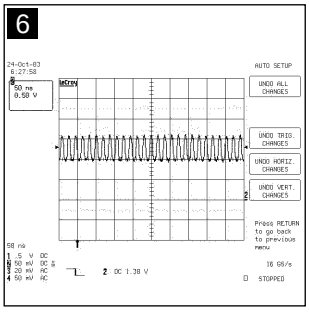
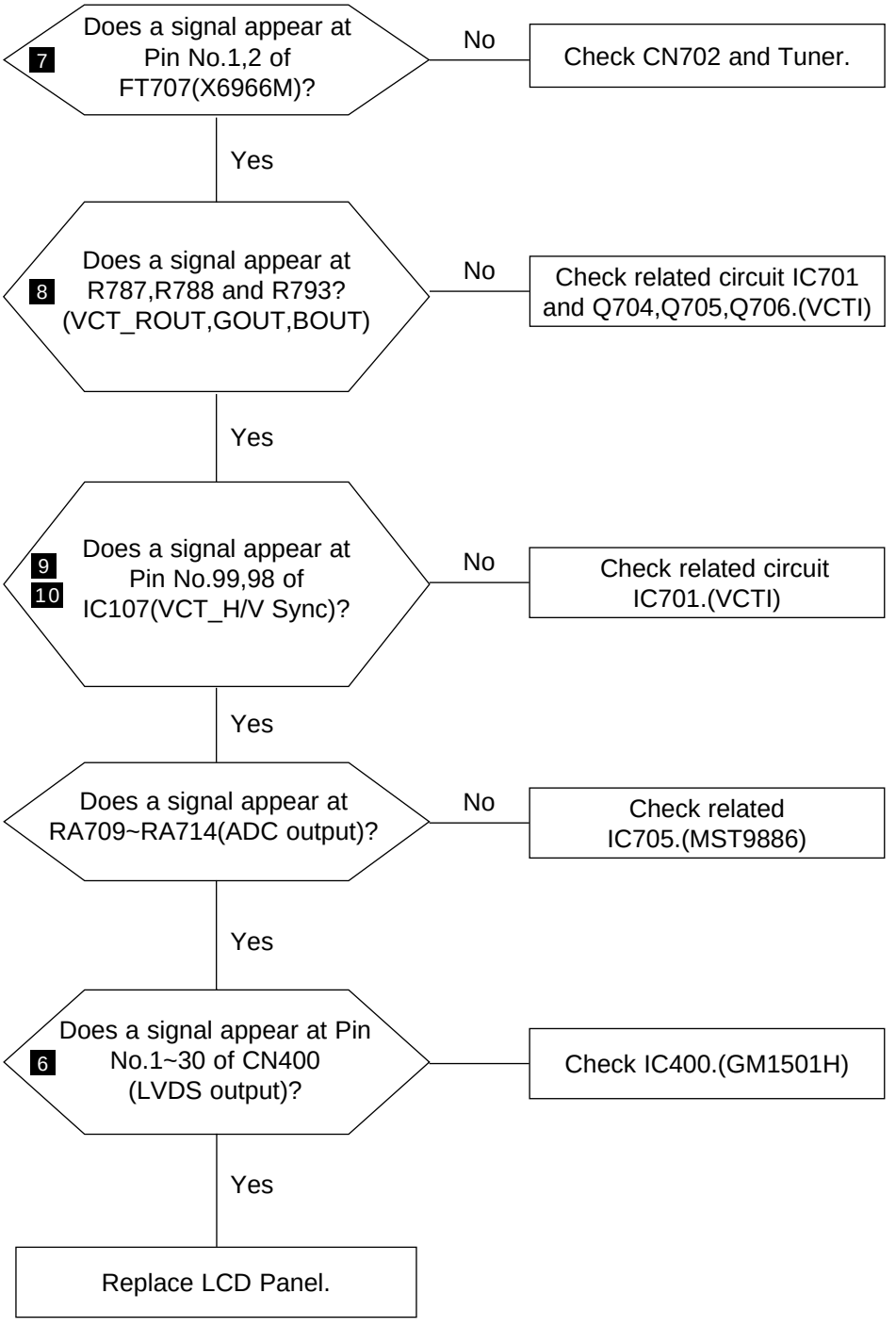
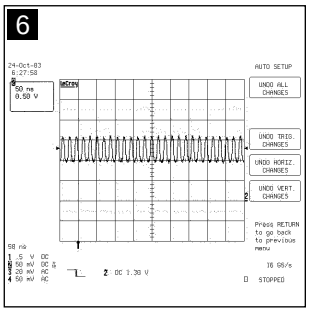


5-3 No Picture (TV)

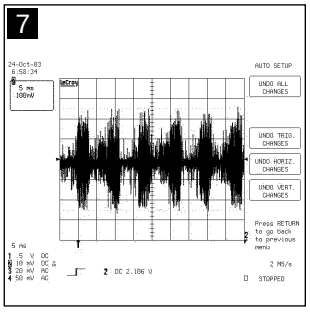


WAVEFORMS

6



7



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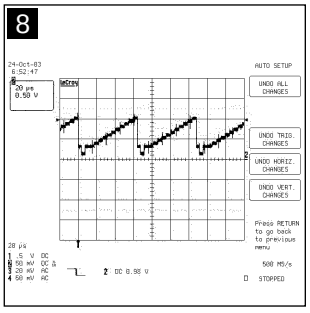

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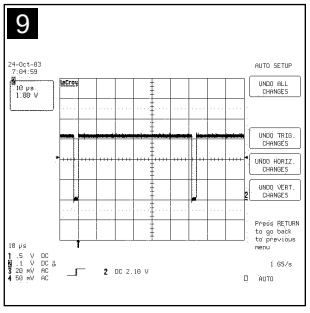

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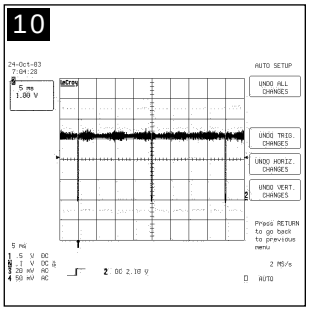
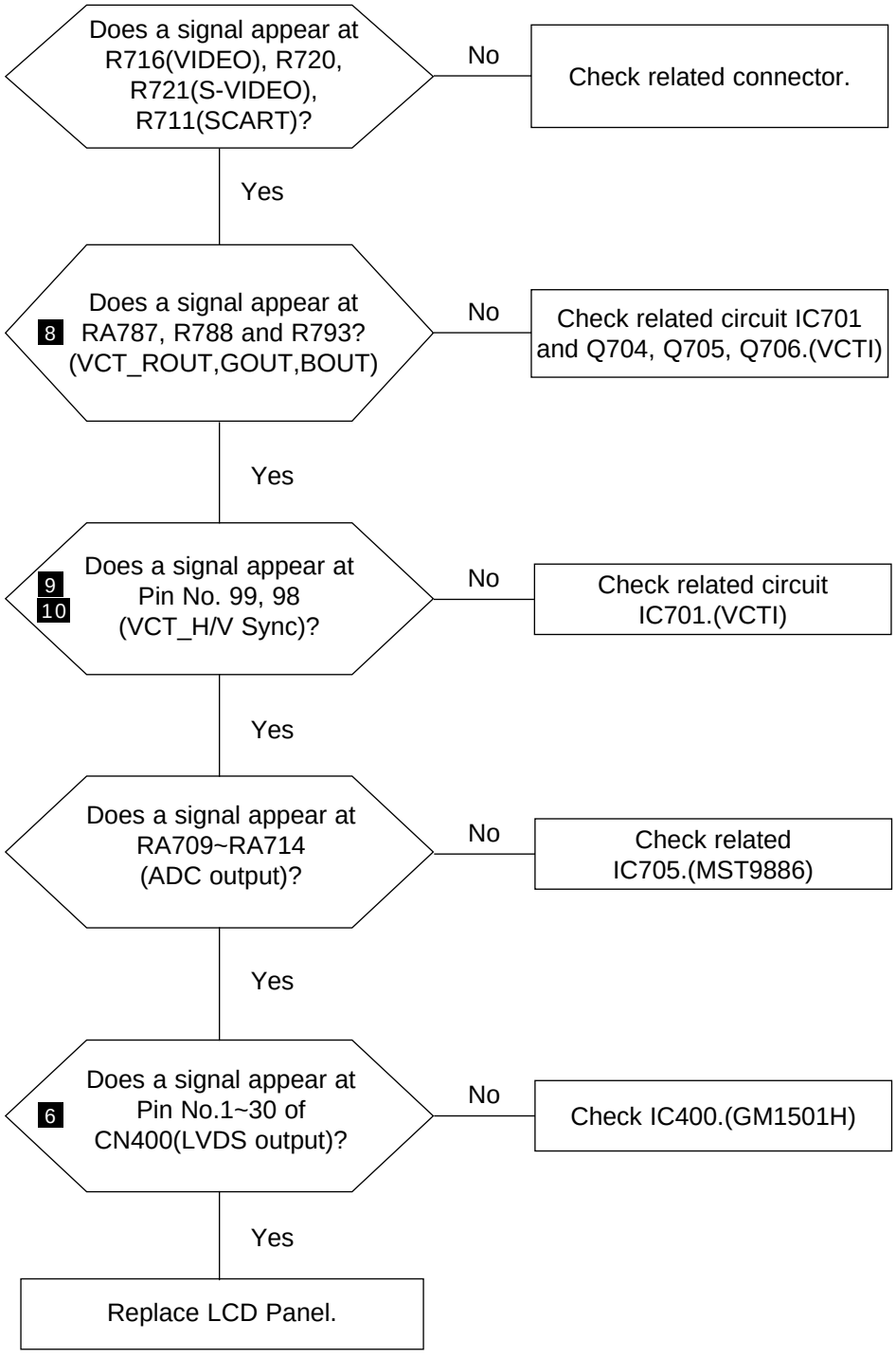
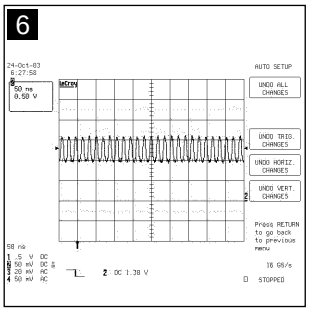


5-4 No Picture (VIDEO/S-VIDEO/SCART)

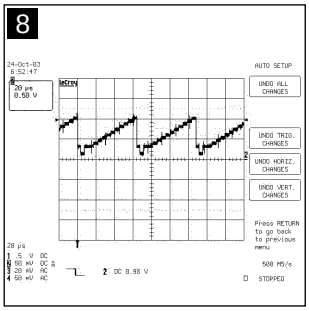

Does a signal appear at R716(VIDEO), R720, R721(S-VIDEO), R711(SCART)?
No
Check related connector.
Yes
Does a signal appear at 8 RA787, R788 and R793? (VCT_ROUT,GOUT,BOUT)
No
Check related circuit IC701 and Q704, Q705, Q706.(VCTI)
Yes
Does a signal appear at 9 10 Pin No. 99, 98 (VCT_H/V Sync)?
No
Check related circuit IC701.(VCTI)
Yes
Does a signal appear at RA709~RA714 (ADC output)?
No
Check related IC705.(MST9886)
Yes
Does a signal appear at 6 Pin No.1~30 of CN400(LVDS output)?
No
Check IC400.(GM1501H)
Yes
Replace LCD Panel.

WAVEFORMS

6



8



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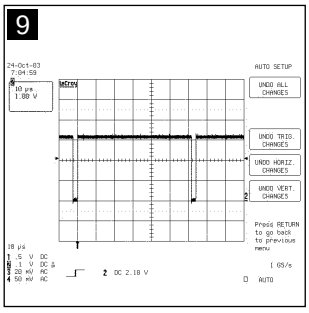

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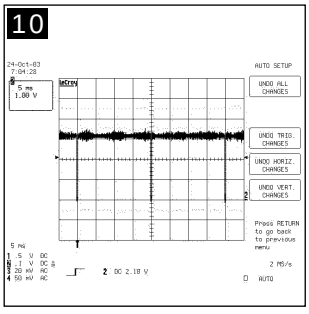
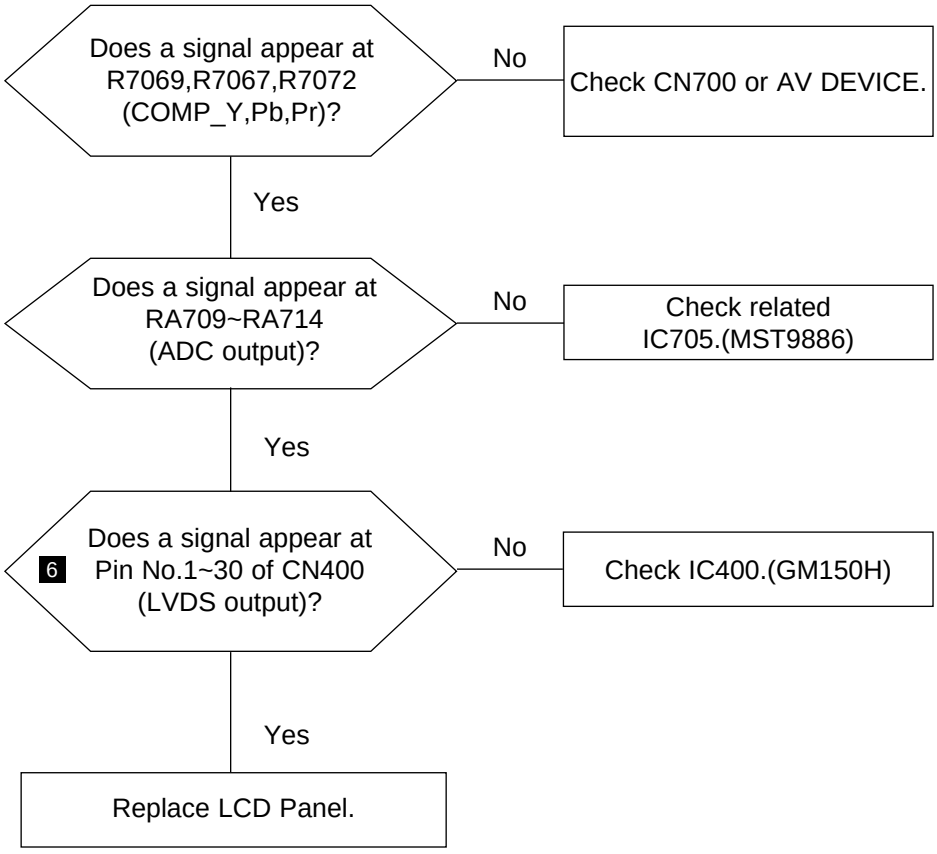
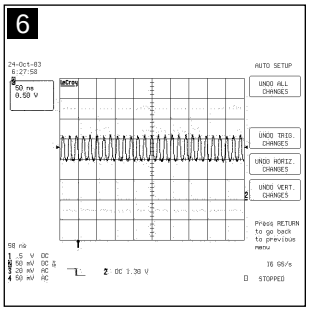


5-5 No Picture (COMPONENT)

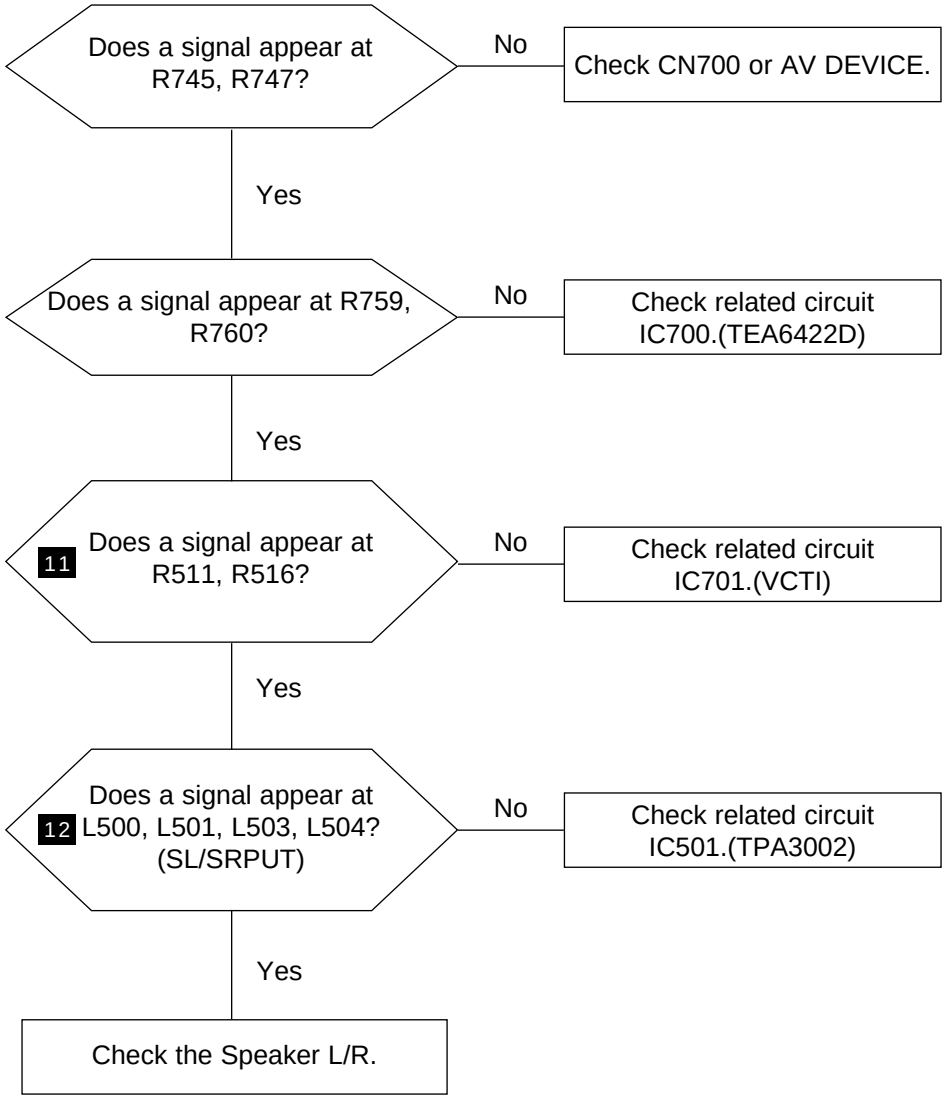


WAVEFORMS

6

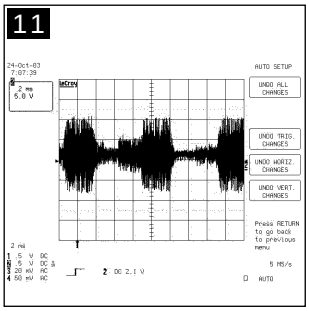


5-6 No Sound(COMPONENT)



WAVEFORMS

11



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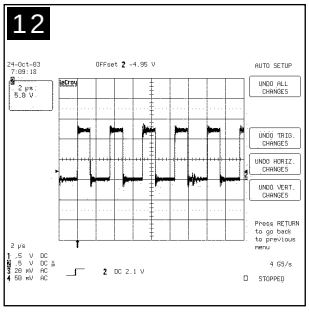
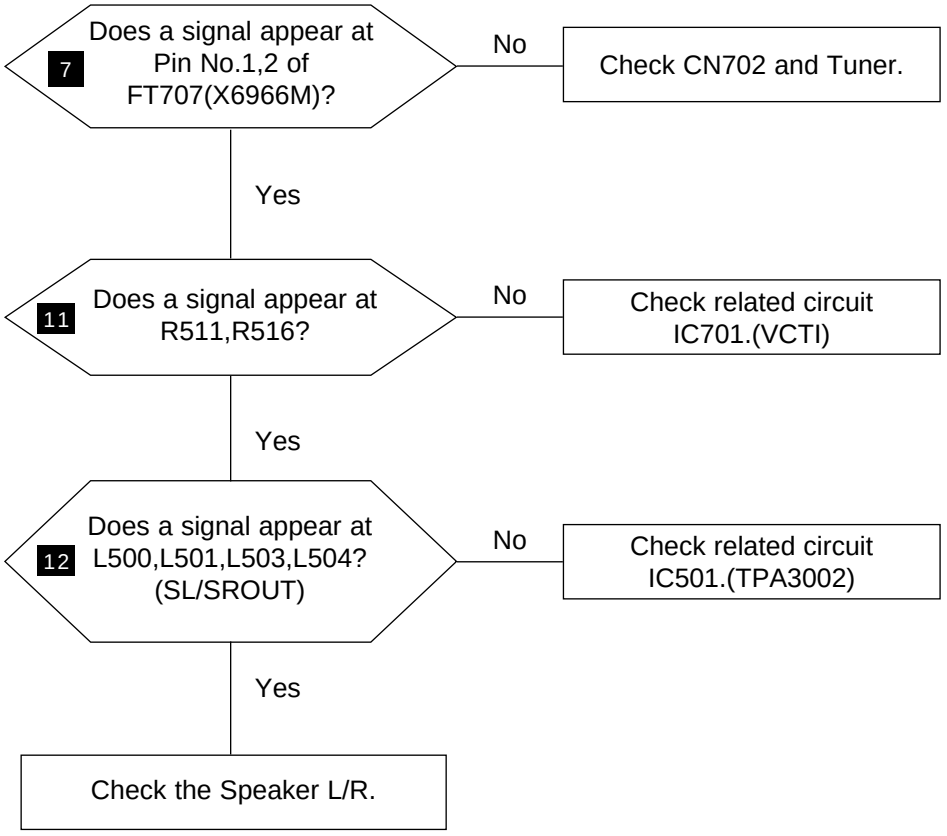
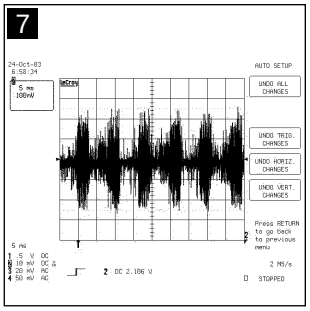


5-7 No Sound(TV)



WAVEFORMS

7



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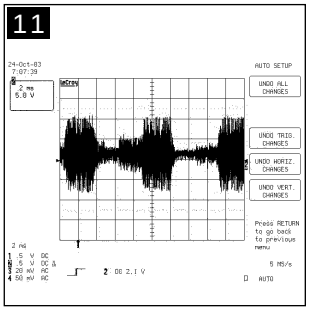

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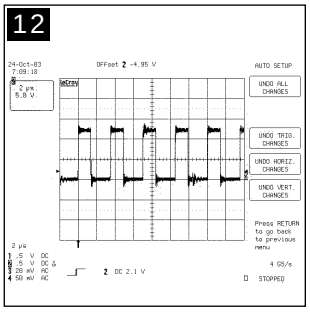
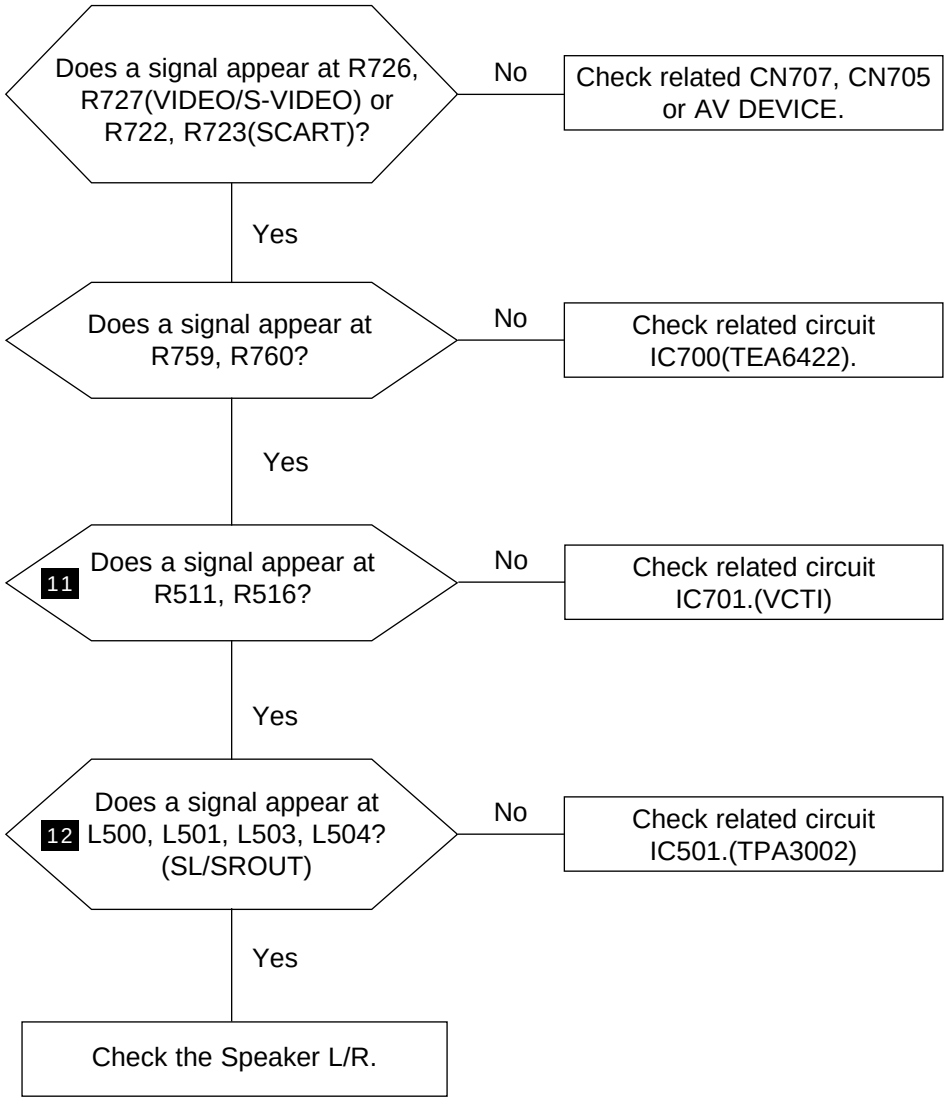
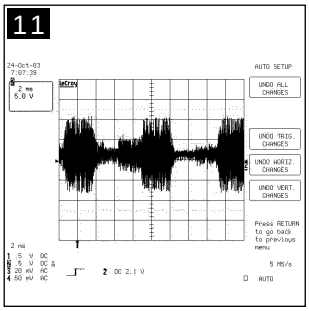


5-8 No Sound(VIDEO,S-VIDEO,SCART)



WAVEFORMS

11



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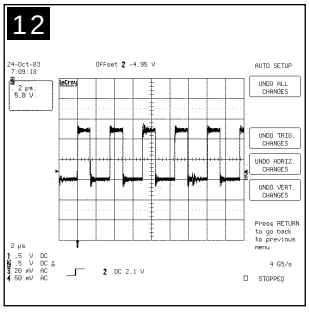
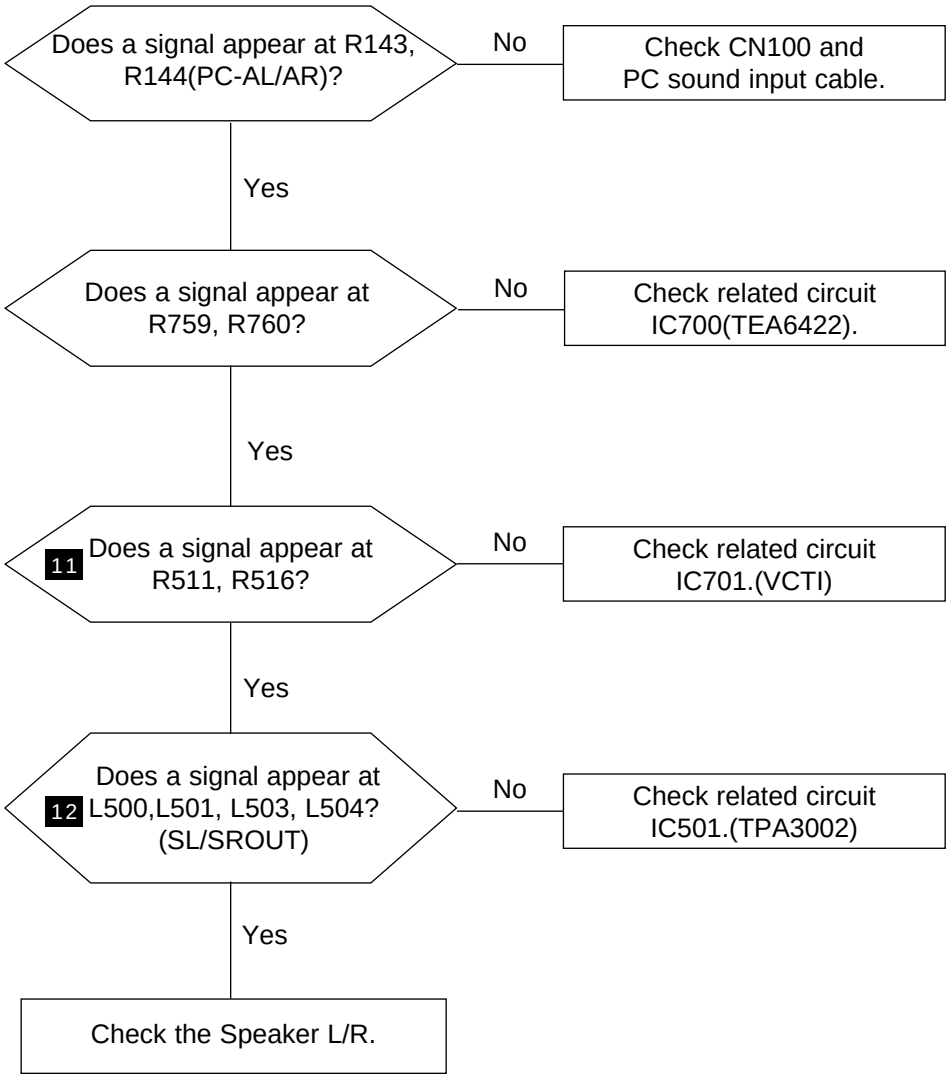
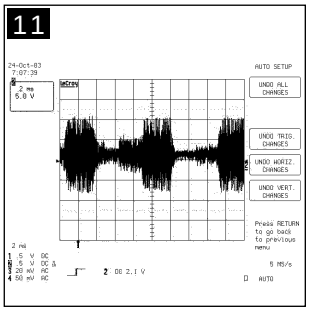


5-9 No Sound(PC)



WAVEFORMS

11



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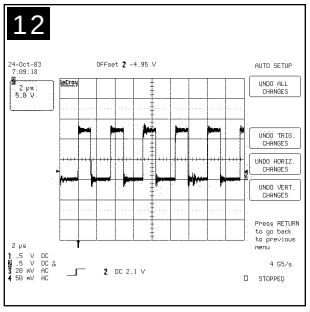
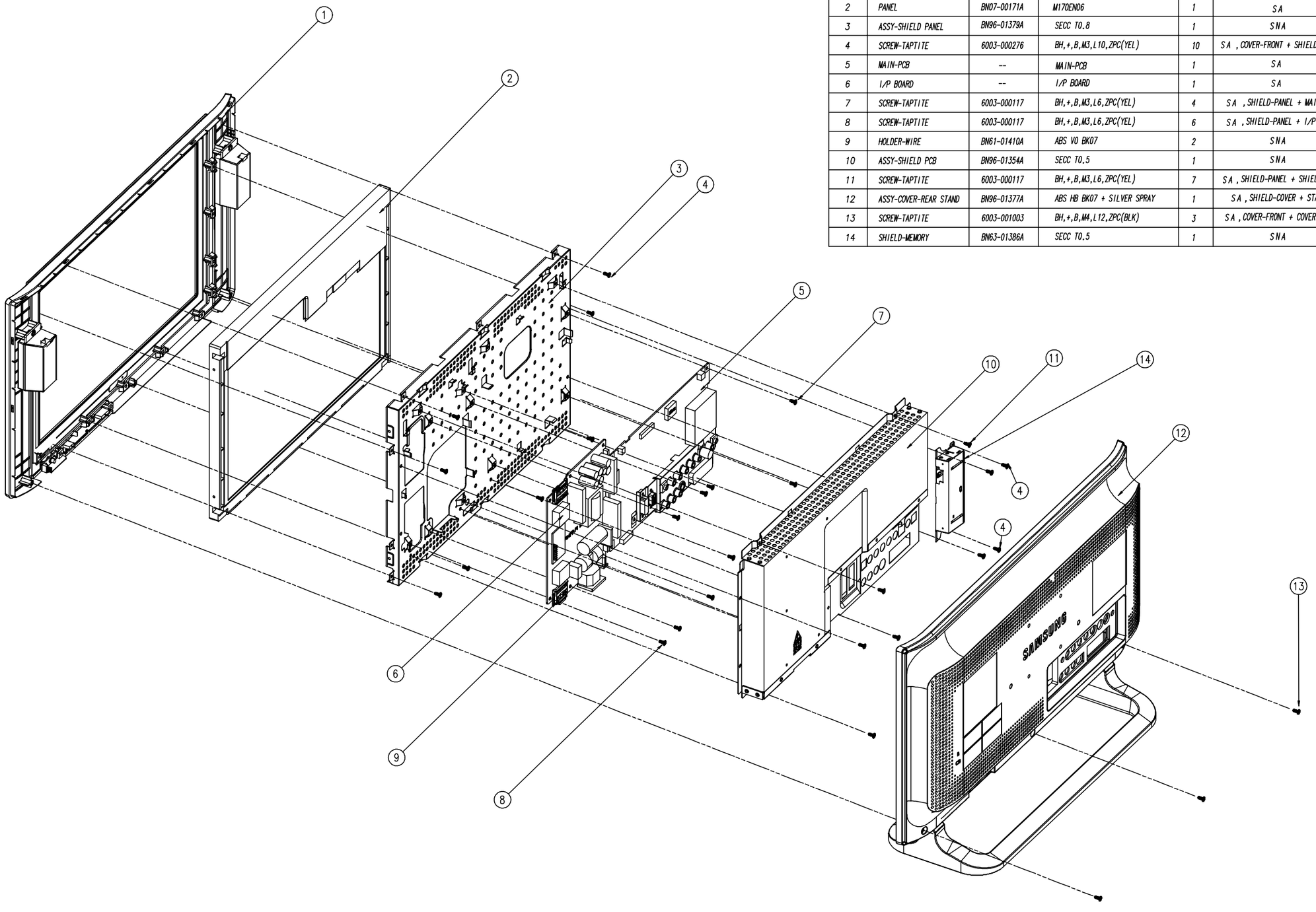


Memo

6 Exploded View and Parts List

✺ You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/



No.	DESCRIPTION	CODE No.	SPECIFICATION	Q'ty	REMARKS
1	ASSY-COVER FRONT	BN96-01278A	ABS HB GR70 + SILVER & BLACK SPRAY	1	SA
2	PANEL	BN07-00171A	M170EN06	1	SA
3	ASSY-SHIELD PANEL	BN96-01379A	SECC T0.8	1	SNA
4	SCREW-TAPTITE	6003-000276	BH,+,B,M3,L10,ZPC(YEL)	10	SA ,COVER-FRONT + SHIELD-PANEL
5	MAIN-PCB	--	MAIN-PCB	1	SA
6	I/P BOARD	--	I/P BOARD	1	SA
7	SCREW-TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL)	4	SA ,SHIELD-PANEL + MAIN-PCB
8	SCREW-TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL)	6	SA ,SHIELD-PANEL + I/P BOARD
9	HOLDER-WIRE	BN61-01410A	ABS V0 BK07	2	SNA
10	ASSY-SHIELD PCB	BN96-01354A	SECC T0.5	1	SNA
11	SCREW-TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL)	7	SA ,SHIELD-PANEL + SHIELD-PCB
12	ASSY-COVER-REAR STAND	BN96-01377A	ABS HB BK07 + SILVER SPRAY	1	SA ,SHIELD-COVER + STAND
13	SCREW-TAPTITE	6003-001003	BH,+,B,M4,L12,ZPC(BLK)	3	SA ,COVER-FRONT + COVER-REAR
14	SHIELD-MEMORY	BN63-01386A	SECC T0.5	1	SNA

Memo

7 Electrical Parts List

-You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		LS17MHFSSU/XAZ	730MP,SGN1/S17AE-LMH,17,LCD-MO,BRAZIL	0	
0.1	M0001	BN90-00659H	ASSY COVER FRONT;MH17FS,W/W	1	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	3	S.N.A
..2	T0003	BN96-01278A	ASSY COVER P-FRONT;730MP,ABS HB GR70	1	
...3	M0081	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	9	S.N.A
...3	M0081	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	4	S.N.A
...3	T0069	AA60-00091W	SPACER-FELT;L5,L150,BLK,T0.5,W71	2	S.N.A
...3	M0112	BN63-01376A	COVER-FRONT;730MP,ABS HB GR70	1	S.N.A
...3	T0750	BN63-01377A	COVER-MASK;730MP,ABS HB GR70	1	S.N.A
...3	C/F	BN63-01380A	COVER-SPACER PANEL;730MP,ABS HB IV16	2	S.N.A
...3	C/F	BN63-01608A	FELT-VIBRATION;MH17FS,EVA,T0.5,5,250,BLA	2	S.N.A
...3	T0057	BN64-00031A	BADGE-BRAND;RB15AS,AL,T1.4,6.3,40.1,SILI	1	S.N.A
...3	M0007	BN64-00300A	KNOB-FUNCTION;730MP,ABS,HB,GR70	1	S.N.A
...3	M0105	BN67-00130A	LENS-LED;730MP,ACRYL,NTR	1	S.N.A
...3	T0175	BN96-01419A	ASSY SPEAKER P;8ohm,40*80mm,Left,5W,50mm	1	
...3	T0175	BN96-01420A	ASSY SPEAKER P;8ohm,40*80mm,Right,5W,200	1	
...3	M0020	BN96-01423A	ASSY BOARD P;730MW,Function & IR	1	
0.1	M0002	BN90-00663P	ASSY COVER REAR;MH17FSW(WISE_LINK)	1	S.N.A
..2	T0238	BN96-01377A	ASSY COVER P-REAR STAND;MH17FS,ABS+DIE C	1	
...3	M0081	6003-000009	SCREW-TAPTITE;BH,+,B,M4,L16,ZPC(YEL),SWR	6	S.N.A
...3	M0081	6003-001337	SCREW-TAPTITE;CH,+,S,M4,L6,ZPC(YEL),SWRC	6	S.N.A
...3	M0142	BN61-00048A	FOOT-RUBBER;GH15LS,PORON,DIA 13.5MM,BLAC	4	S.N.A
...3	M0113	BN61-00397A	BRACKET-VESA;GOYA 153S,SECC,T1.0,,,,	2	S.N.A
...3	C/R	BN63-01141A	FELT;MUSE15",FELT,1.0	1	S.N.A
...3	C/R	BN64-00308A	INLAY-A/V;MH17FS,PS,T0.5,SHEET	1	S.N.A
...3	M0003	BN96-01298A	ASSY STAND P-HINGE RIGHT;MH17FS,ZN DIECA	1	
...3	C/R	BN96-01299A	ASSY STAND P-HINGE LEFT;MH17FS,ZN DIECAS	1	
...3	CCM1	6001-000581	SCREW-MACHINE;PH,+,M4,L12,NI PLT,SWRCH18	4	S.N.A
...3	M0412	BN61-01307A	STAND-BASE;730MP,ABS HB,NAT	1	S.N.A
...3	MP1.0	BN61-01308A	STAND-BODY;730MP,AL DIE CAST,NAT	1	S.N.A
...3	T0060	BN61-01432A	SPRING ETC;MH17FS,SUS304,0.35,3.7,4.4,5.	1	S.N.A
...3	M0006	BN63-01378A	COVER-REAR;730MP,ABS HB	1	S.N.A
...3	C/R	BN63-01379A	COVER-MEMORY;730MP,ABS HB	1	S.N.A
0.1		BN91-00407N	ASSY LCD-ATZ;MH17FS	1	S.N.A
..2	M0215	BN07-00171B	LCD-PANEL;M170EN06,GY,6BIT,358.5*296.5*1	1	
0.1	M0112	BN91-00807P	ASSY SHIELD;MH17FSW(WISE-LINK)	1	S.N.A
..2	M0081	6003-000117	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	4	
..2	M0081	6003-000117	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	6	
..2	M0081	6003-000117	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	7	
..2	M0081	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	8	S.N.A
..2	M0081	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	2	S.N.A
..2	M2893	BN39-00573A	LEAD CONNECTOR;MH17FS,UL1571#30,UL/CSA,3	1	
..2	M0174	BN44-00104B	IP BOARD;IP-47135T,MH17FS,8.0MA,14.7MA,4	1	
..2	M0114	BN61-01410A	HOLDER-WIRE;MH17FS,ABS V0,BK07	2	S.N.A
..2	T0081	BN73-00030A	RUBBER CUSHION;LCD TV/MONITOR,RUBBER,40X	1	S.N.A
..2	T0081	BN96-01354A	ASSY MISC P-SHIELD PCB;MH17FS,SECC T0.5	1	S.N.A
...3	CIS	BN63-01383A	SHIELD-VENT;730MP,SECC,T1.0	1	S.N.A
...3	CIS	BN63-01385A	SHIELD-JACK OUT;730MP,SPTE,T0.5	1	S.N.A
...3	T0178	BN63-01382A	SHIELD-PCB;730MP,SECC,T0.5	1	S.N.A
..2	MP1.0	BN96-01379A	ASSY MISC P-SHIELD PAENL;MH17FS,SECC T0.	1	S.N.A
...3	M0125	BN63-01381A	SHIELD-PANEL;730MP,SECC,T0.8	1	S.N.A
...3	CIS	BN63-01393A	COVER-GUIDE PAENL;730MP,ABS HB IV16	1	S.N.A
..2	M0131	AA63-00886A	GASKET;MH17FS,CONDUCTIVE FAB,18mm,17mm,8	1	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0006	BN96-01607A	ASSY SHIELD P-COVER;MH17FS,SECC T0.5,EL/	1	
...3	CIS	BN63-01386A	SHIELD-MEMORY;730MP,SECC,T0.5	1	S.N.A
...3	CIS	BN63-01602A	FELT-VIBRATION;MH17FS,EVA,T2.0,6,20,BLAC	2	S.N.A
...3	CIS	BN63-01603A	FELT-VIBRATION;MH17FS,EVA,T0.5,10,176,BL	1	S.N.A
..2	CCM1	6001-000781	SCREW-MACHINE;PH,+,M3,L8,ZPC(BLK),SWRCH1	1	S.N.A
0.1	M0017	BN91-00808J	ASSY CHASSIS-ATH;MH17FSW(WISE-LINK)	1	
..2	M0014	BN94-00539X	ASSY PCB MAIN-ATH;MH17FS	1	
...3	T0245	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	0.25	S.N.A
...3	IC012	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,4P,-,PL	1	
...3	FT707	2904-001179	FILTER-SAW;36.125MHz,-,32.65-39.6MHz/0.5	1	
...3	CN102	3701-001224	CONNECTOR-DVI;24P,3R,FEMALE,STRAIGHT,AU1	1	
...3	CN101	3701-001302	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	
...3	CN906	3705-001331	CONNECTOR-COAXIAL;PAL,ADAPTOR(J/J),-,75o	1	
...3	CN906	3711-004183	CONNECTOR-HEADER;BOX,10P,1R,-,ANGLE,SN	1	
...3	CN906	3711-004349	CONNECTOR-HEADER;BOX,3P,1R,2MM,STRAIGHT,	1	
...3	CN906	3711-004445	CONNECTOR-HEADER;BOX,60P,3R,1mm,ANGLE,AU	1	
...3	CN906	3711-004712	CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT,	1	
...3	CN906	3711-005505	CONNECTOR-HEADER;NOWALL,11P,1R,2.54mm,AN	1	
...3	CN703	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	
...3	CN706	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	
...3	CN701	3722-001734	JACK-VHS;4P,-,SN,BLK,-	1	
...3	CN705	3722-001844	JACK-PIN;3P,8.3MM,AU,YEL/WHT/RED,-	1	
...3	CN700	3722-001845	JACK-PIN;3P,8.3MM,AU,GRN/BLU/RED,-	1	
...3	CN707	3722-001846	JACK-PIN;2P,8.3MM,AU,WHT/RED,-	1	
...3	CN708	3722-001931	JACK-PIN;1P,-,AU,BLK,-	1	
...3	CN100	3722-002176	JACK-PHONE;7P/4C,-,SN,L-BLU,-	1	
...3	CIS3	BN40-00052A	TUNER;TECC0849FL40B(S),NTSC,181CH,38.9MH	1	
...3	TUNER_PCB	BN41-00392A	PCB SUB;KD17AS,FR4,2L,MP1.0,1.6T,54*13	1	S.N.A
...3	T0174	BN97-00384F	ASSY SMD;MH17FS	1	S.N.A
....4	ZD100	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	ZD101	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	ZD103	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	ZD104	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	ZD402	0403-000277	DIODE-ZENER;MMBZ5226B,3.14-3.47V,225MW,S	1	
....4	ZD600	0403-001382	DIODE-ZENER;UDZ33B,32.15-33.79V,200MW,SO	1	
....4	ZD102	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD105	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD400	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD401	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD700	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD701	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD702	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD703	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD712	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD718	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD106	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD107	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD704	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD705	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD706	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD707	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD708	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD709	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD710	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD711	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD713	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD714	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	ZD715	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	Q700	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q704	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q705	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q706	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	Q100	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q500	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q501	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q600	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q602	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q603	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q701	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q702	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q703	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q409	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.014	1	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	IC104	0801-002899	IC-CMOS LOGIC;CD4069UBC,INVERTER,SOIC,14	1	
....4	IC102	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC707	1001-001146	IC-ANALOG SWITCH;FST3257,BUS SWITCH & CM	1	
....4	IC700	1001-001178	IC-AUDIO SWITCH;TEA6422D,AUDIO SWITCH ,S	1	
....4	IC800	1001-001190	IC-ANALOG SWITCH;FST16233MTD,BUS SWITCH,	1	
....4	IC108	1002-001403	IC-A/D CONVERTER;MST9886-110,8Bits,QFP,1	1	
....4	IC109	1003-001758	IC-LCD CONTROLLER;GM1501H-CF,PBGA,416P,3	1	
....4	IC112	1103-000129	IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5	1	
....4	IC112	1103-000129	IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5	1	
....4	IC112	1103-001279	IC-EEPROM;24C32,4Kx8,SOP,8P,5x4mm,2.5/5.	1	
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	
....4	IC113	1105-001380	IC-DRAM;K4D263238F,4x1Mx32Bit,TQFP,100P,	1	
....4	T0085	1201-001983	IC-AUDIO AMP;TPA3002D2PHP,HTQFP,48P,7X7M	1	
....4	T0085	1201-002136	IC-AUDIO AMP;LM4810,MSOP,8P,3x3mm,DUAL,-	1	
....4	IC404	1203-001212	IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-002186	IC-POSI.FIXED REG.;18,DPAK,3P,240MIL,PLA	1	
....4	T0087	1203-002186	IC-POSI.FIXED REG.;18,DPAK,3P,240MIL,PLA	1	
....4	T0087	1203-002351	IC-POSI.FIXED REG.;LF25C,DPAK,3P,240MIL,	1	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	
....4	R4009	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R4016	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R4020	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R139	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R140	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R607	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R628	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R774	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R117	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R118	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R419	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R424	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R7078	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R7079	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R7080	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R7081	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R764	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R802	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R121	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R122	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R129	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R141	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R400	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4002	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4007	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4008	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R401	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R403	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R4039	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R404	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4041	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R436	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R437	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7026	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7027	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7029	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7048	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7049	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R705	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7059	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7060	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7064	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7066	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7067	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7068	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7069	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R707	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7071	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7073	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7075	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7076	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R7088	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R709	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R710	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R711	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R715	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R716	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R719	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R720	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R721	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R724	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R725	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R728	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R748	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R750	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R751	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R757	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R758	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R800	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R801	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R803	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R804	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R805	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R806	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R807	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R809	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R813	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4045	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R7058	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R7061	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R7065	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R704	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R7070	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R123	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R127	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R4081	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R4082	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R503	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R514	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R7001	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R7009	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R7052	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R7053	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R7054	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R7055	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R741	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R749	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R759	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R760	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R765	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	
....4	R4003	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R407	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R420	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R421	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R422	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R423	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R440	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R441	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R442	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R456	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R457	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R7041	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R7043	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R128	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R511	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R516	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R618	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R700	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R701	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R703	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R742	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R743	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R783	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R814	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R527	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	
....4	R781	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	
....4	R782	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	
....4	R107	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R113	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R130	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4018	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4019	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4022	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4025	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4026	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4029	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4032	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4033	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4035	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4037	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4040	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4043	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4758	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R491	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R508	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R521	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R610	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R616	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R619	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R706	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R718	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R102	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R103	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R114	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R116	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R7087	2007-000096	R-CHIP;30Kohm,5%,1/10W,TP,1608	1	
....4	R504	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R506	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R517	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R600	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R609	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R613	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R617	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R622	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R625	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R755	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R761	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R762	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R522	2007-000103	R-CHIP;120Kohm,5%,1/10W,TP,1608	1	
....4	R501	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R507	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R731	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R732	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R408	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R409	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R410	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R411	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R412	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R413	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R414	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R416	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R417	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R485	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R486	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R487	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R488	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R770	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R771	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R772	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R602	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R611	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	
....4	R131	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R132	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R133	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R134	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R135	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R136	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R137	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R138	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R143	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R144	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R722	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R723	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R726	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R727	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R745	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R747	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R787	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R788	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R793	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R810	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R812	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R717	2007-000372	R-CHIP;130ohm,5%,1/10W,TP,1608	1	
....4	R714	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R766	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R767	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R769	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R520	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	
....4	R708	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	
....4	R7000	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R798	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R799	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R794	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R795	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R796	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R615	2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	1	
....4	R624	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	
....4	R737	2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	1	
....4	R526	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	1	
....4	R614	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	
....4	R623	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	
....4	R612	2007-000979	R-CHIP;5.6Kohm,1%,1/10W,TP,1608	1	
....4	R142	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	
....4	R124	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R125	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R126	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R515	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R519	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R712	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R729	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R730	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R733	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R734	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R736	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R738	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R739	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R740	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R752	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R753	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R754	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R518	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	
....4	R744	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	
....4	R621	2007-007004	R-CHIP;12Kohm,1%,1/10W,TP,1608	1	
....4	R4004	2007-007850	R-CHIP;249ohm,1%,1/10W,TP,1608	1	
....4	R4015	2007-007852	R-CHIP;140ohm,1%,1/10W,TP,1608	1	
....4	RA400	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA401	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA402	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA403	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA404	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA405	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA406	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA407	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA408	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA409	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA410	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA411	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA801	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA803	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA805	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA807	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	C114	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C115	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C704	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C705	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C706	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C707	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C708	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C711	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C712	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C713	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C718	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C720	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C741	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C745	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C754	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C768	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C775	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C783	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C788	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C791	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C794	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C802	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C804	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C4000	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4001	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4004	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4005	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4006	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4007	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4008	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4009	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4010	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4011	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4012	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4013	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4014	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C402	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C403	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C404	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C405	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C406	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C407	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C408	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C409	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C410	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C411	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C412	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C413	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C414	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C415	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C423	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C424	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C426	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C427	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C428	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C429	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C430	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C431	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C432	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C434	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C435	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C436	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C437	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C438	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C440	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C441	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C442	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C443	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C444	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C446	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C448	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C449	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C454	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C455	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C456	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C459	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C460	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C461	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C462	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C464	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C466	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C467	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C468	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C469	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C470	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C471	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C472	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C473	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C474	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C475	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C476	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C477	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C478	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C479	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C481	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C482	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C483	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C484	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C487	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C488	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C489	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C490	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C491	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C492	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C493	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C494	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C495	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C496	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C497	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C498	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C499	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C506	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C508	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C510	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C511	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C514	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C523	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C530	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C531	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C601	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C602	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C604	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C605	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C611	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C616	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7000	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7002	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7003	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7008	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7009	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7019	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7020	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7021	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7022	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7023	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C7024	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7025	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7026	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7031	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7032	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7033	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7034	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7035	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7036	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7037	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7038	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7039	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7040	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7041	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C7055	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C725	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C747	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C751	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C752	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C759	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C762	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C772	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C776	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C777	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C779	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C780	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C781	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C784	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C785	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C796	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C801	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C105	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C107	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C110	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C113	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C610	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C635	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C722	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C723	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C500	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C502	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C533	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C535	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C606	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C607	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C632	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C636	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C717	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C721	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C805	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C451	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C453	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C528	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C529	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C623	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C7027	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C758	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C764	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C771	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C400	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C401	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C761	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C765	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C7042	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C7043	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C7044	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C7045	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C7046	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C7047	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C7004	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7005	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7006	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7010	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7012	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7013	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7014	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7015	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7016	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7017	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7028	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C7029	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C748	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C749	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C750	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C419	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	1	
....4	C709	2203-001140	C-CER,CHIP;68nF,10%,16V,X7R,1608	1	
....4	C710	2203-001140	C-CER,CHIP;68nF,10%,16V,X7R,1608	1	
....4	C518	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	
....4	C501	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C534	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C740	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C744	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C753	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C767	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C770	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C774	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C782	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C787	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C790	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C793	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C109	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C417	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C420	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C421	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C519	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C522	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C525	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C613	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C614	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C643	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C715	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C716	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C719	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C803	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C618	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C619	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C620	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C625	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C629	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C630	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C631	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C757	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C108	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C4003	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C416	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C422	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C425	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C433	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C439	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C445	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C447	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C450	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C452	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C457	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C458	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C463	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C465	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C480	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C486	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C505	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C7001	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C7007	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C7018	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C7030	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C7049	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C739	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C743	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C773	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C778	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C786	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C789	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C792	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C795	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C800	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C738	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	
....4	C515	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C600	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C603	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C633	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C755	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C4002	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C485	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C516	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C517	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C520	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C615	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C700	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C701	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C7048	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C7050	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C742	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C756	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C609	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C634	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C7051	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C7056	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	T0052	2703-000222	INDUCTOR-SMD;560nH,10%,2012	1	
....4	T0052	2703-001334	INDUCTOR-SMD;1.5uH,10%,2012	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	X400	2801-003667	CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16,	1	
....4	X700	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	CN906	3711-002049	CONNECTOR-HEADER;BOX,6P,1R,1.25mm,SMD-A,	1	
....4	CN906	3711-005470	CONNECTOR-HEADER;BOX,30P,1R,1.25mm,SMD-A	1	
....4	T0010	BN27-00001A	COIL CHOKE;68UH,68UH,10%,5845,0.5OHM,7.3	1	
....4	T0010	BN27-00001A	COIL CHOKE;68UH,68UH,10%,5845,0.5OHM,7.3	1	
....4	T0010	BN27-00001A	COIL CHOKE;68UH,68UH,10%,5845,0.5OHM,7.3	1	
....4	T0010	BN27-00001A	COIL CHOKE;68UH,68UH,10%,5845,0.5OHM,7.3	1	
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	
....4	D109	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D103	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D104	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D105	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D106	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D107	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D108	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D110	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D111	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D601	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D602	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D603	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D700	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D100	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D600	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D604	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	M0018	BN97-00362U	ASSY MICOM;MH17FS	1	
.....5	IC115	1107-001391	IC-FLASH MEMORY;29W800D,1Mx8/512Kx16,TSO	1	
....4	M0018	BN97-00400M	ASSY MICOM;MH17FS	1	
.....5	T0119	BN09-00006A	IC MICOM;VCT4973-XM C7,144,3.3V,PAL Nic	1	S.N.A
....4	C503	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	
....4	C504	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	
....4	C536	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	
....4	C537	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C617	2402-001080	C-AL,SMD;47uF,20%,50V,WT,TP,8x10mm	1	
....4	C624	2402-001080	C-AL,SMD;47uF,20%,50V,WT,TP,8x10mm	1	
....4	C626	2402-001080	C-AL,SMD;47uF,20%,50V,WT,TP,8x10mm	1	
....4	C746	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C702	2402-001149	C-AL,SMD;22UF,20%,16V,-,TP,5X5.8MM	1	
....4	C703	2402-001149	C-AL,SMD;22UF,20%,16V,-,TP,5X5.8MM	1	
....4	C724	2402-001150	C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM	1	
....4	C507	2402-001152	C-AL,SMD;10UF,20%,16V,WT,TP,4X5.8MM	1	
....4	C763	2402-001152	C-AL,SMD;10UF,20%,16V,WT,TP,4X5.8MM	1	
....4	C766	2402-001152	C-AL,SMD;10UF,20%,16V,WT,TP,4X5.8MM	1	
....4	C769	2402-001152	C-AL,SMD;10UF,20%,16V,WT,TP,4X5.8MM	1	
....4	C512	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	1	
....4	C521	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	1	
....4	C524	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	1	
....4	C526	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	1	
....4	C527	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	1	
....4	C760	2402-001165	C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM	1	
....4	C726	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C727	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C728	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C729	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C730	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C731	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C732	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C733	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C734	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C735	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C736	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C737	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C509	2402-001254	C-AL,SMD;10uF,20%,50V,WT,TP,6.3x5.2mm	1	
....4	C513	2402-001254	C-AL,SMD;10uF,20%,50V,WT,TP,6.3x5.2mm	1	
....4	C532	2402-001254	C-AL,SMD;10uF,20%,50V,WT,TP,6.3x5.2mm	1	
....4	C112	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	1	
....4	C100	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	C101	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	C102	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	C103	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	C104	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	C106	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	1	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,200mA,,,,0.7ohm	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,200mA,,,,0.7ohm	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,200mA,,,,0.7ohm	1	S.N.A
....4	R101	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	R106	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	R111	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	R148	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	R149	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	R150	2007-000839	R-CHIP;39ohm,5%,1/10W,TP,1608	1	
....4	CIS6	0202-001375	SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36.	4.73	S.N.A
....4	R756	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	1	
....4	T0077	BN41-00499E	PCB MAIN;MH17FS,FR4,4 layer,MP1.4,1.6T,1	1	S.N.A
...3	T0562	6046-001011	STAND OFF;M3,L3.5,Ni PLT,SUM24L,#4-40	2	S.N.A
...3	T0562	6046-001007	STAND OFF;M3,L5,NI PLT,SUM24L,#4-40	2	S.N.A
...3	CN906	3711-004067	CONNECTOR-HEADER;BOX,4P,1R,2mm,ANGLE,SN	1	
...3	CN906	3711-004386	CONNECTOR-HEADER;BOX,3P,1R,2mm,ANGLE,SN	1	
...3	CIS1	BN96-01608A	ASSY SHIELD P-JACK;MH17FS,SPTE T0.5	1	S.N.A
....4	M0131	AA63-00864A	GASKET;MH17FS,CONDUCTIVE FAB,3mm,5mm,30m	1	S.N.A
....4	CIS	BN63-01384A	SHIELD-JACK IN;730MP,SPTE,T0.5	1	S.N.A
..2	M0263	BN94-00592A	ASSY PCB MISC-ATH,WISE LINK PC;MH17FSW(W	1	
...3	T0245	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	0.01	S.N.A
...3	LED900	0601-001656	LED;ROUND,GRN,4.8X4.6MM,572NM,6X12.5MM	1	
...3	CN902	3709-001191	CONNECTOR-SOCKET;60P,-,0.8MM,ANGLE,AU,BL	1	
...3	CN301	3722-002205	JACK-USB;4P/1C,AU30U,BLK,ANGLE,B TYPE-R	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	CN300	3722-002213	JACK-USB;4P/2C,AU30U,BLK,ANGLE,A TYPE(RE	1	
...3	CIS6	BN63-01391A	SHIELD-KIT TOP;730MP,SUS,T0.5	1	S.N.A
...3	CIS7	BN63-01392A	SHIELD-KIT BOTTOM;730MP,SUS,T0.5	1	S.N.A
...3	CIS8	BN63-01519A	COVER-FRAME;MH17FS,ABS,HB,BK07	1	S.N.A
...3	T0174	BN97-00407A	ASSY SMD;MH17FSW(WISE-LINK)	1	S.N.A
....4	Q300	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q301	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q900	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q901	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	T0596	0904-001881	IC-USC;USB20H04,-,TQFP,64P,10x10x1.4,24M	1	
....4	IC113	1105-001308	IC-DRAM;4S281632E,2MX16X4BIT,TSOP,54P,40	1	
....4	IC113	1105-001308	IC-DRAM;4S281632E,2MX16X4BIT,TSOP,54P,40	1	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	
....4	T0087	1203-002945	IC-POSI.FIXED REG.;AP1117E25A,SOT-223,3P	1	
....4	IC904	1203-002997	IC-VOL. DETECTOR;ELM7529CBA-S,SOT-23,3P,	1	
....4	IC909	1204-002310	IC-DECODER;MA8201A,LQFP,44P,10x10mm,PLAS	1	
....4	IC902	1205-002520	IC-CONTROLLER;MX88V610AXC,BGA,180P,12x12	1	
....4	R9008	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	
....4	R9009	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R946	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R315	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R321	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R322	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R325	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R331	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R339	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R340	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9003	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9017	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9020	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9021	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9022	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9023	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9024	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9025	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9026	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9027	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9029	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9030	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9031	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9033	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R906	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R907	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R908	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R909	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R910	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R911	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R912	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R913	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R914	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R915	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R916	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R920	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R921	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R930	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R931	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R934	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R957	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R958	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R959	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R962	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R963	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R964	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R965	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R966	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R970	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R971	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R973	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R975	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R978	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R905	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R943	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R945	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R9032	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R329	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R902	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R323	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R9012	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R316	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R317	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R319	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R320	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9000	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9001	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9002	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9004	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9005	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9013	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9014	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9015	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R940	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R947	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R991	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R996	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R314	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R326	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R327	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R332	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R333	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R400	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R960	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R961	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R999	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R338	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R318	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R9006	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	
....4	R9007	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	
....4	R9010	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	
....4	R336	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R9016	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R997	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R9028	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R922	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R900	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R998	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R939	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	
....4	R9011	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R903	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R919	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R928	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R929	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R936	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R937	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R938	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R944	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R992	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R993	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R994	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R995	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	
....4	R324	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	
....4	R942	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	
....4	R337	2007-000305	R-CHIP;10Mohm,5%,1/10W,TP,1608	1	
....4	R941	2007-000799	R-CHIP;360ohm,5%,1/10W,TP,1608	1	
....4	C315	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C901	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C902	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C904	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C905	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C907	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C908	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C909	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C910	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C912	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C913	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C914	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C915	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C917	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C918	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C919	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C920	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C921	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C922	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C923	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C925	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C926	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C927	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C928	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C929	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C930	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C931	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C934	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C937	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C938	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C940	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C960	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C961	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C962	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C963	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C964	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C965	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C967	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C973	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C966	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C972	2203-000292	C-CER,CHIP;0.01NF,5%,50V,C0G,TP,1608	1	
....4	C935	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C936	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C974	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C975	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C932	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C939	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C941	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C942	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C331	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C332	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C307	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C308	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C310	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C312	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C313	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C317	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C319	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C321	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C323	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C324	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C325	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C327	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C328	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C329	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C330	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C335	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C336	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C339	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C340	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C341	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C342	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C343	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C344	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C345	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C346	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C348	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C316	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C976	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C304	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C306	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C318	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C320	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C322	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C326	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C900	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C903	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C906	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C911	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C916	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C924	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C933	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C950	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C968	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C969	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C970	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C971	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C314	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	X300	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,16pF,50oh	1	
....4	X902	2801-003804	CRYSTAL-SMD;24.576MHZ,30PPM,28-AAN,20PF,	1	
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	CN905	3709-001283	CONNECTOR-CARD SLOT;24P,2.54mm,SMD-A,AU1	1	
....4	CN903	3709-001287	CONNECTOR-CARD SLOT;10P,1.5mm,SMD-A,AU10	1	
....4	CN906	3709-001289	CONNECTOR-CARD SLOT;9P,2.425/2.5/1.7mm,S	1	
....4	CN904	3709-001290	CONNECTOR-CARD SLOT;50P,1.27mm,SMD-A,AU1	1	
....4	CN906	3711-000556	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-002049	CONNECTOR-HEADER;BOX,6P,1R,1.25mm,SMD-A,	1	
....4	IC302	1205-002473	IC-SWITCH;AAT4626IHS-T1,TSSOP,8P,4.4x3mm	1	
....4	FT305	2704-000010	INDUCTOR-SMD-ARRAY;70ohm,100V,600mA,-,0.	1	
....4	M0018	BN97-00400S	ASSY MICOM;MH17FSW	1	
.....5	IC115	1107-001087	IC-FLASH MEMORY;29LV160,1Mx16/2Mx8,TSOP,	1	
....4	D300	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D301	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D302	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D303	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D304	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D305	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D306	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D307	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D308	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D309	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D310	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D311	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D900	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	T0087	1203-002853	IC-POSI.FIXED REG.;G960T45R,TO-252,3P,6.	1	
....4	R302	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	R303	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	R304	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	R305	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	R334	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	R335	2007-000503	R-CHIP;2.2ohm,5%,1/10W,TP,1608	1	
....4	C333	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C334	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C303	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	X900	2801-004211	CRYSTAL-SMD;13.5MHZ,25PPM,28-AAN,20PF,40	1	
....4	T0568	3301-001594	BEAD-SMD;90ohm,2.0*1.2*1.3mm,-,TP,-,-,-	1	S.N.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	C347	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C349	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	X901	2804-001370	OSCILLATOR-CLOCK;48MHz,100ppm,10TTL & CM	1	
....4	C309	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C311	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	MP1.2	BN41-00502C	PCB-INTERFACE;MH17FS,FR4,6 layer,MP1.2,1	1	S.N.A
....4	CIS5	0202-001375	SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36.	1.75	S.N.A
...3	CCM1	6001-000781	SCREW-MACHINE;PH,+,M3,L8,ZPC(BLK),SWRCH1	4	S.N.A
0.1	M0019	BN92-00962A	ASSY LABEL;MH17NS	1	S.N.A
0.1	M0113	BN92-01071J	ASSY P/MATERIAL;MH17FS	1	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.034	S.N.A
..2	T0524	6902-000520	BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D	1	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3	S.N.A
..2	M0081	6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,-,-	0.1	S.N.A
0.1	M0003	BN92-01205L	ASSY BOX;MH17FSSSU/XSA	1	S.N.A
..2	BOX	BN69-00858A	BOX-03;S/M730MP(MH17FS),W/W,SW4,YEL,A-1,	1.01	S.N.A
..2	M0120	BH75-10529A	UNIT-HANDLE PACKING;LXA410TLMU,PE,-,WHIT	1	S.N.A
...3	M0103	BN72-60001A	LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD	1	S.N.A
...3	M0102	BN72-60002A	LEVER-BOTTOM;LSD210TL,PE-LD,WHITE,TFT-LC	1	S.N.A
0.1	M0045	BN92-01417J	ASSY ACCESSORY;LS17MHFSSU/XAZ,MH17FS	1	S.N.A
..2	M0045	BN96-02194W	ASSY ACCESSORY;LS17MHFSSU/XAZ,MH17FS	1	
...3	CN906	3705-001191	CONNECTOR-COAXIAL;PAL,ADAPTER(J/P),30moh	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	T0268	3903-000020	CBF-POWER CORD;DT,BR,BP3/YES,I(IEC320 C1	1	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	1	S.N.A
...3	T0568	AA39-00365A	CBF IF;CS29M6PF,1P,RCA-HOLDER,1900mm,BLK	1	
...3	ACCESSORY	BH68-00261C	CARD-NETWORK-01;NETWORK CARD,SEDA,ART150	1	S.N.A
...3	T0128	BN39-00061B	CBF SIGNAL-STEREO;MH15NS,1P,UL2851#26,20	1	
...3	M0114	BN39-00244B	CBF SIGNAL;MO15PS,15P/15P,20276-N,1830MM	1	
...3	T0725	BN39-00397A	CBF INTERFACE-USB;1703FP,4P/4P,2725(USB	1	
...3	T0074	BN59-00434A	REMOCON;Manet_Multi,TM79,40,SV-012P,EX,N	1	
...3	ACCESSORY	BN68-00739H	MANUAL-QSG;MH17FS WW QSG,SYNCMASTER,WW,3	1	S.N.A
...3	T0100	BN68-00844A	MANUAL-WARRANTY CARD;LCD/CDT Leaflet,All	1	S.N.A
...3	ACCESSORY	BN75-00075A	UNIT-WARRANTY(LCD)-01;SEDA,ASS'Y-W/CARD,	1	S.N.A
....4	CIS	BN68-00107A	CARD WARRANTY-02;W/CARD,TFT-LCD,SEDA,ART	1	S.N.A
...3	M0215	BN96-00832J	ASSY MANUAL P-IB+QSG;730MP,SyncMaster,W/	1	S.N.A
....4	QUICK_SETU	BH68-00376L	MANUAL-04;LCDQUICK SETUP GUIDE,SYNCMASTE	1	S.N.A
....4	IB	BN59-00390J	S/W DRIVER-07,IB;730MP,W/W,SyncMaster,27	1	S.N.A
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8 Block Diagram

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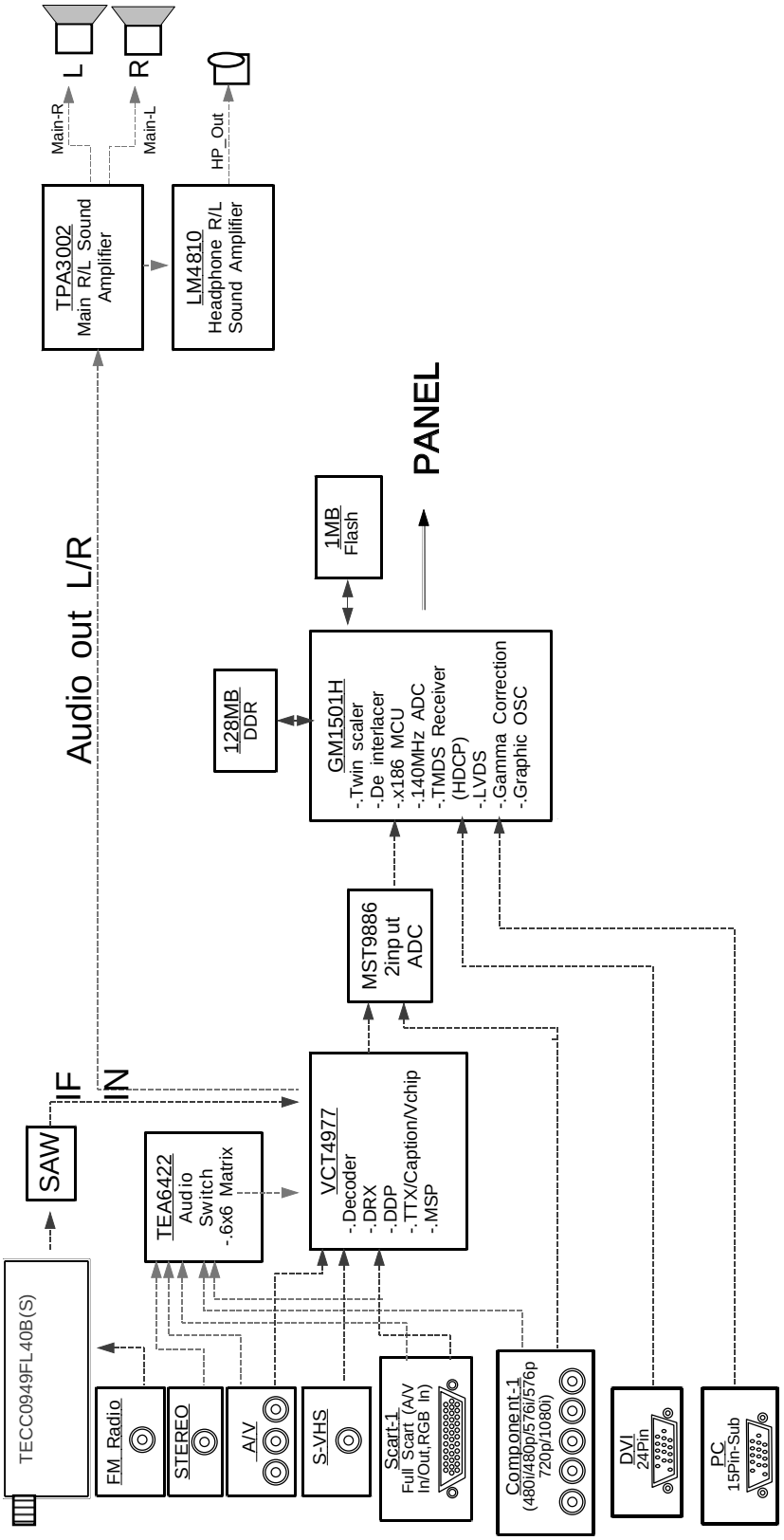


Memo

9 Wiring Diagram

1	SROUT+
2	GND
3	N C
4	SROUT-

CN501

1	+13V_IN
2	+13V_IN
3	GND
4	GND
5	GND
6	+5V_IN
7	+5V_IN
8	GND
9	BL_EN

CN600

1	N C
2	RXD
3	TXD
4	N C
5	N C
6	N C

CN402

CN102

1	RX2-	13	NC
2	RX2+	14	+5V_DDC_D
3	GND	15	CHK_DVI
4	NC	16	SIGNAL_OUT
5	NC	17	RX0-
6	SCL_DDC_D	18	RX0+
7	SDA_DDC_D	19	GND
8	NC	20	NC
9	RX1-	21	NC
10	RX1+	22	GND
11	GND	23	RXC+
12	NC	24	RXC-

CN400

1	NC	16	TXB0-
2	GND	17	TXA3+
3	TXB3+	18	TXA3-
4	TXB3-	19	TXAC+
5	GND	20	TXAC-
6	TXBC+	21	GND
7	TXBC-	22	TXA2+
8	GND	23	TXA2-
9	TXB2+	24	TXA1+
10	TXB2-	25	TXA1-
11	GND	26	TXA0+
12	TXB1+	27	TXA0-
13	TXB1-	28	+5V_PANEL
14	GND	29	+5V_PANEL
15	TXB0+	30	+5V_PANEL

1	N C
2	RXD
3	TXD
4	N C
5	GND
6	GND

CN402

C401

1	GND	16	Y3	31	GND	46	GND
2	UV7	17	Y2	32	GND	47	DPF_BOOT
3	UV6	18	Y1	33	GND	48	GND
4	UV5	19	Y0	34	GND	49	GND
5	UV4	20	GND	35	GND	50	LOUT)R
6	UV3	21	GND	36	GND	51	DPFUSB_CTRL
7	UV2	22	GND	37	GND	52	LOUT_L
8	UV1	23	GND	38	GND	53	RESET_B
9	UV0	24	GND	39	GND	54	DPF_PW
10	GND	25	GND	40	GND	55	CS
11	GND	26	GND	41	+5V_IN	56	SCL
12	Y7	27	GND	42	+5V_IN	57	SDA
13	Y6	28	GND	43	+5V_IN	58	VVS
14	Y5	29	GND	44	+5V_IN	59	VHS
15	Y4	30	GND	45	GND	60	VCLK

TUNER

CN101

1	R+IN_A	9	+5V_DDC_A
2	G+IN_A	10	CHK_DSUB
3	B+IN_A	11	GND
4	GND	12	SDA_DDC_A
5	GND	13	HSYNC_IN_A
6	GND	14	VSYNC_IN_A
7	GND	15	SCL_DDC_A
8	GND		

CN100

1	GND
2	PC_AR
3	PC_AR
4	PC_AL
5	PC_AL

CN707

1	GND	4	GND
2	COMP_AR	5	COMP_AR
3	COMP_AL	6	COMP_AL

CN700

1	GND	1	GND	1	GND
2	COMP_PR	2	COMP_PB	2	COMP_Y
3	NC	3	NC	3	CHK_COMP

CN703

1	GND
2	NC
3	FM_ANT

1	GND	5	NC
2	HPDR	6	GND
3	HPDL	7	HP_SENSE
4	NC		

1	+3.3V_LIV	6	IRRCVR	1	GND	4	GND	7	GND
2	GND	7	+3.3V_LIVE	2	VIDEO_AL	5	VIDEO_AR	8	CHK_VCR
3	KEY_AD1	8	GND	3	VIDEO_AR	6	VIDEO_AL	9	VCR_IN
4	KEY_AD2	9	LEDRED						
5	GND	10	LEDGRN						

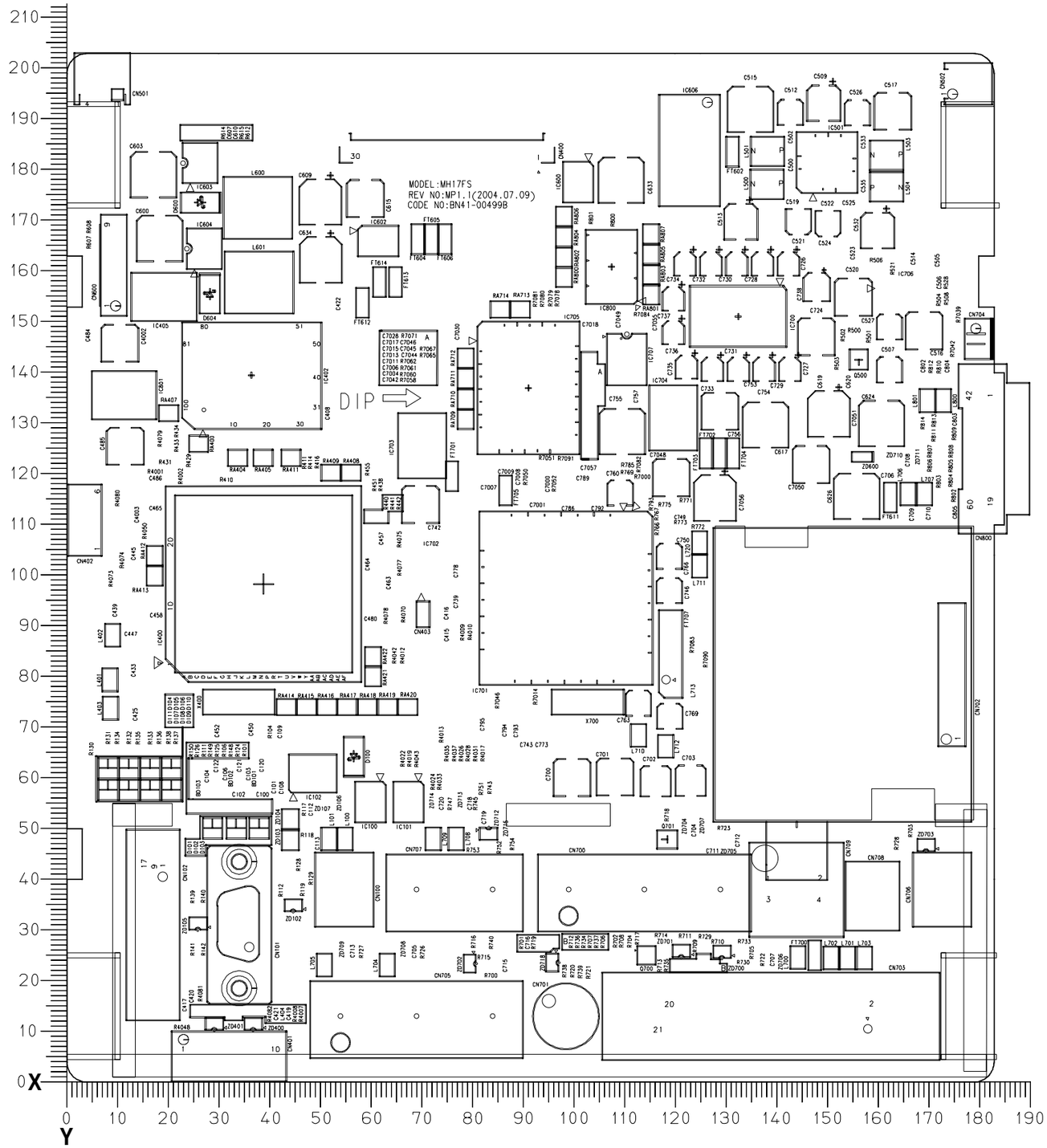
1	SVHS_CIN	4	GND	1	SCART_ROUT	6	SCART_LIN
2	SVHS_YIN	5	CHK_SVIDEO	2	SCART_RIN	7	SCART_VBIN
3	GND	6	GND	3	SCART_LOUT	8	SCART_S WIN
				4	GND	9	NC
				5	GND	10	NC

11	SCART_VGIN	16	SCART_FBLNK	21	GND		
12	NC	17	GND				
13	GND	18	GND				
14	NC	19	SCART_VOUT				
15	SCART_VRIN	20	SCART_VIN				

Memo

10 PCB Layout

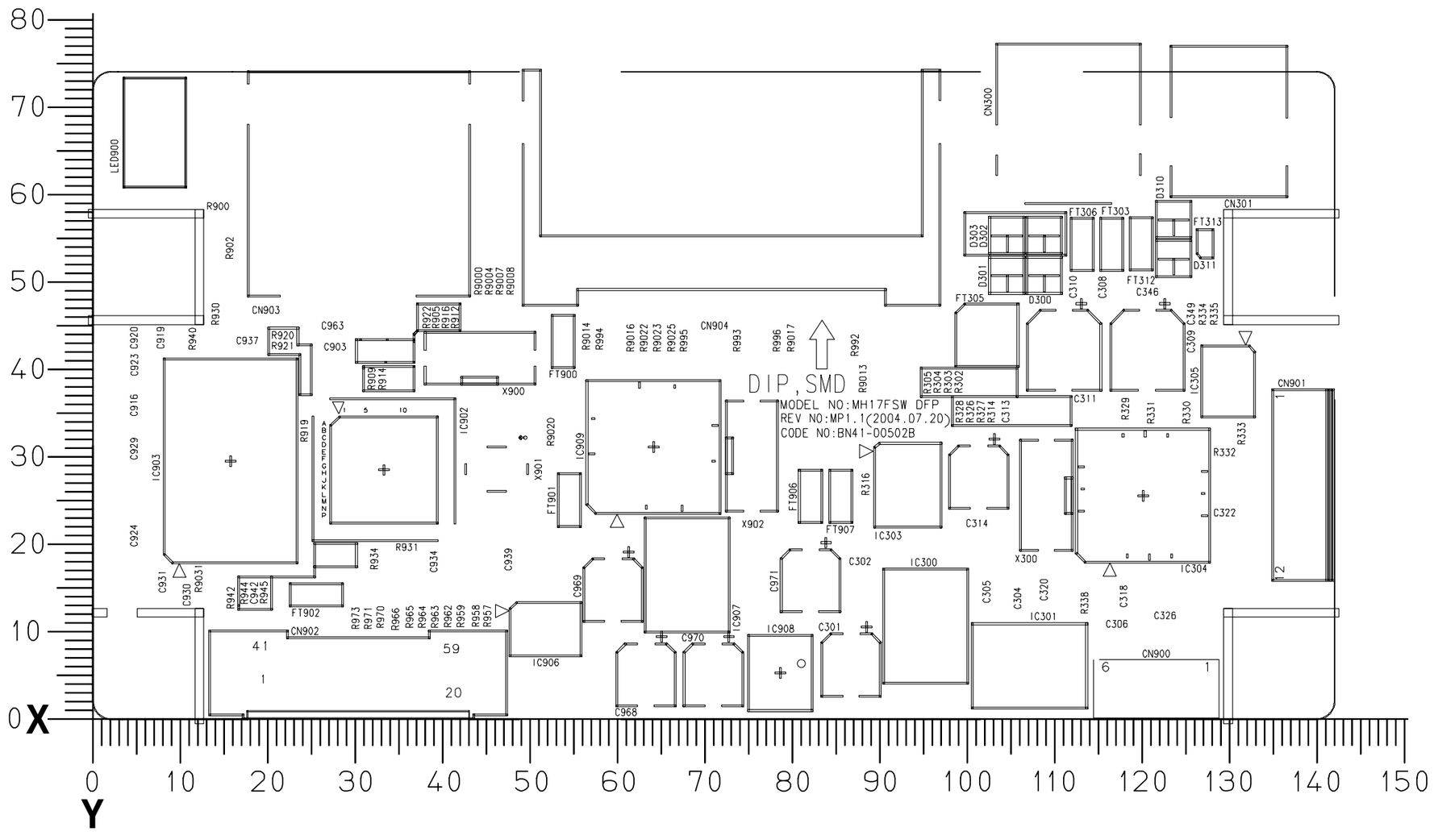
10-1 Main PCB Layout



Loc. No.	Description	X	Y
	DIODE		
D100	DIODE-RECTIFIER	56.6	64.3
D101	DIODE-SWITCHING	28.7	50.2
D102	DIODE-SWITCHING	33.4	50.2
D103	DIODE-SWITCHING	37.9	50.2
D104	DIODE-SWITCHING	8.1	62.0
D105	DIODE-SWITCHING	12.2	62.0
D106	DIODE-SWITCHING	16.4	62.0
D107	DIODE-SWITCHING	12.2	57.7
D108	DIODE-SWITCHING	16.4	57.7
D109	DIODE-SWITCHING	20.6	57.7
D110	DIODE-SWITCHING	20.6	62.0
D111	DIODE-SWITCHING	8.1	57.7
D600	DIODE-RECTIFIER	26.3	173.6
D601	DIODE-SWITCHING	149.2	136.3
D602	DIODE-SWITCHING	153.3	136.3
D603	DIODE-SWITCHING	145.0	136.3
D604	DIODE-RECTIFIER	28.2	155.5
D700	DIODE-SWITCHING	122.4	121.3
ZD100	DIODE-ZENER	69.3	56.2
ZD101	DIODE-ZENER	61.8	56.2
ZD102	DIODE-ZENER	44.7	34.8
ZD103	DIODE-ZENER	44.1	47.7
ZD104	DIODE-ZENER	44.1	51.9
ZD105	DIODE-ZENER	25.9	31.2
ZD106	DIODE-TVS	53.7	52.0
ZD107	DIODE-TVS	50.2	52.0
ZD400	DIODE-ZENER	36.8	11.4
ZD401	DIODE-ZENER	29.1	11.4
ZD402	DIODE-ZENER	37.7	67.4
ZD600	DIODE-ZENER	156.9	123.4
ZD700	DIODE-ZENER	129.3	25.6
ZD701	DIODE-ZENER	121.3	25.8
ZD702	DIODE-ZENER	79.6	23.4
ZD703	DIODE-ZENER	169.6	46.7
ZD704	DIODE-TVS	121.8	47.4
ZD705	DIODE-TVS	129.4	47.5
ZD706	DIODE-TVS	141.1	26.8
ZD707	DIODE-TVS	125.6	47.5
ZD708	DIODE-TVS	66.4	23.2
ZD709	DIODE-TVS	54.2	23.1
ZD710	DIODE-TVS	163.0	121.8
ZD711	DIODE-TVS	167.6	120.1
ZD712	DIODE-ZENER	83.2	49.1
ZD713	DIODE-TVS	77.6	52.5
ZD714	DIODE-TVS	72.0	52.5
ZD715	DIODE-TVS	86.6	47.0
ZD716	DIODE-ZENER	155.8	61.3

Loc. No.	Description	X	Y
ZD717	DIODE-ZENER	160.9	61.0
ZD718	DIODE-ZENER	95.9	23.6
	IC		
IC100	IC-EEPROM	59.9	55.3
IC101	IC-EEPROM	67.4	55.3
IC102	IC-TTL	48.6	60.9
IC400	IC-MICRO_PROCESSOR	38.8	98.3
IC401	IC-FLASH MEMORY	73.5	75.3
IC402	IC	36.4	139.5
IC403	IC-EEPROM	44.1	68.5
IC404	IC-VOL. DETECTOR	32.0	69.0
IC405	IC-POSI.FIXED REG.	19.1	155.0
IC501	IC-AUDIO AMP	150.0	181.5
IC600	FET-SILICON	100.9	177.6
IC602	FET-SILICON	61.5	166.0
IC603	C-SWITCH VOL. REG	26.3	181.4
IC604	C-SWITCH VOL. REG	27.1	164.5
IC605	IC-CMOS LOGIC	149.1	126.5
IC606	C-POSI.ADJUST REG	126.4	193.4
IC700	IC-AUDIO SWITCH	132.5	151.1
IC701	IC-SIGNAL PROCESSOR	98.5	95.5
IC702	IC-EEPROM	71.8	101.1
IC703	IC-POSI.FIXED REG.	70.1	125.6
IC704	IC-POSI.FIXED REG.	119.7	131.1
IC705	D/A,A/D CONVERTER	91.1	137.0
IC706	IC-AUDIO AMP	163.5	155.7
IC707	IC-ANALOG SWITCH	110.5	142.6
IC800	IC-ANALOG SWITCH	107.5	160.9
IC801	IC-POSI.FIXED REG.	11.3	135.6
	TRANSISTOR		
Q100	TR-SMALL SIGNAL	56.9	62.0
Q101	TR-SMALL SIGNAL	62.5	61.9
Q500	TR-SMALL SIGNAL	156.3	142.6
Q501	TR-SMALL SIGNAL	142.6	190.7
Q600	TR-SMALL SIGNAL	105.2	179.4
Q602	TR-SMALL SIGNAL	54.8	168.0
Q603	TR-SMALL SIGNAL	54.8	163.4
Q700	TR-SMALL SIGNAL	114.4	25.0
Q701	TR-SMALL SIGNAL	118.5	47.9
Q702	TR-SMALL SIGNAL	164.9	66.2
Q703	TR-SMALL SIGNAL	122.1	117.0
Q704	TR-SMALL SIGNAL	120.0	107.1
Q705	TR-SMALL SIGNAL	120.0	111.4
Q706	TR-SMALL SIGNAL	118.0	117.4

10-2 Wiselink PCB Layout



Loc. No.	Description	X	Y
	DIODE		
D300	DIODE-SWITCHING	107.3	50
D301	DIODE-SWITCHING	103.1	50
D302	DIODE-SWITCHING	107.3	54.5
D303	DIODE-SWITCHING	103.1	54.5
D304	DIODE-SWITCHING	121.55	45.05
D305	DIODE-SWITCHING	125.7	45
D306	DIODE-SWITCHING	107.5	37.6
D307	DIODE-SWITCHING	107.7	42
D308	DIODE-SWITCHING	96.9	34.5
D309	DIODE-SWITCHING	96.9	43
D310	DIODE-SWITCHING	121.9	56.3
D311	DIODE-SWITCHING	121.9	51.9
D900	DIODE-SWITCHING	121.4	4.8
	IC		
IC300	IC-POSI.FIXED REG.	93.9	10.5
IC301	IC-POSI.FIXED REG.	105.6	6
IC302	IC-SWITCH	113.6	41.6
IC303	IC-CMOS LOGIC	91.9	26.3
IC304	IC-USC	118.4	25.2
IC305	IC-EEPROM	128	38.1
IC900	IC-DRAM	12.8	36.8
IC901	IC-DRAM	12.8	20.6
IC902	IC-CONTROLLER	32.8	28.1
IC903	IC-FLASH MEMORY	15.5	29.1
IC904	IC-VOL. DETECTOR	64.7	19.85
IC906	FET-SILICON	51	10.15
IC907	IC-POSI.FIXED REG.	67	16.25
IC908	IC-POSI.FIXED REG.	77.5	5.2
IC909	IC-DECODER	63.2	30.7
	TRANSISTOR		
Q300	TR-SMALL SIGNAL	90.9	26.6
Q301	TR-SMALL SIGNAL	90.9	22.8
Q900	TR-SMALL SIGNAL	129.9	20.7
Q901	TR-SMALL SIGNAL	53.55	7.2

11 Schematic Diagrams

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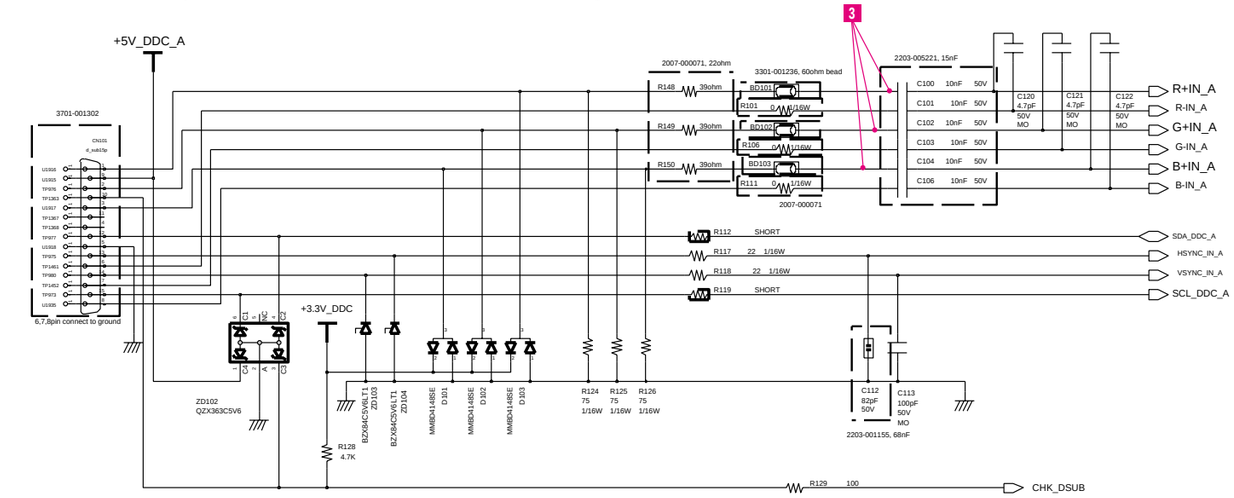
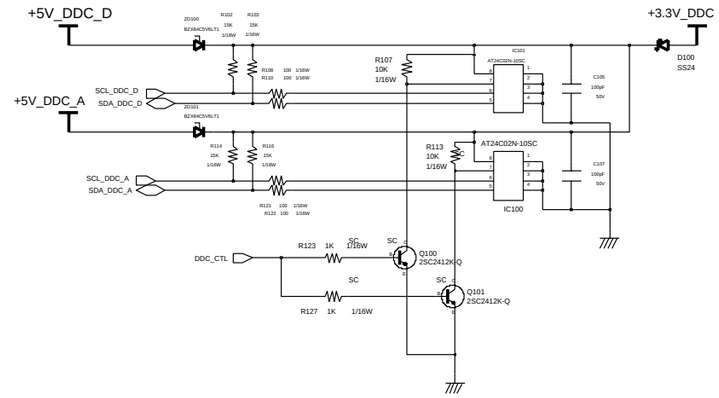
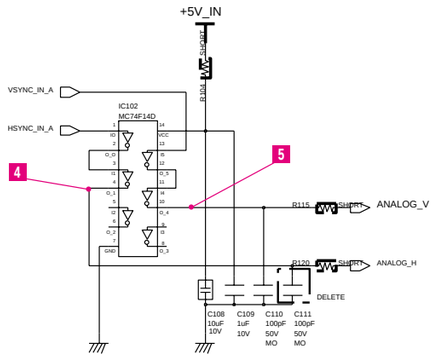
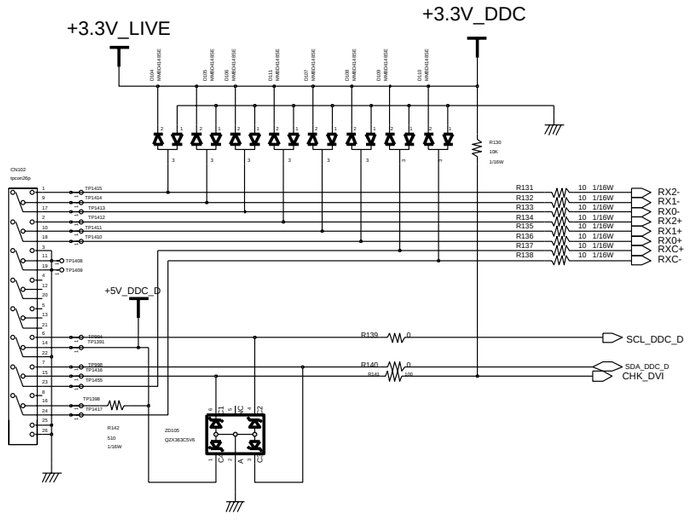
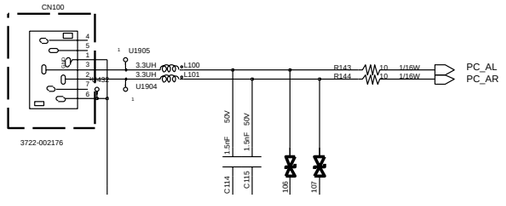
11-1 PC Input Part Schematic Diagram



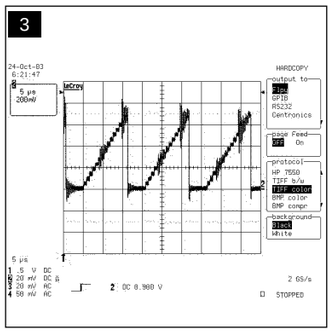


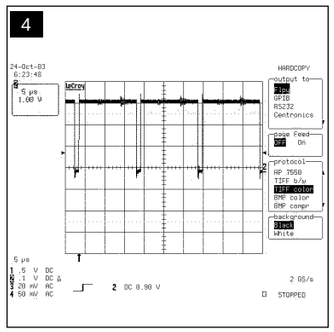


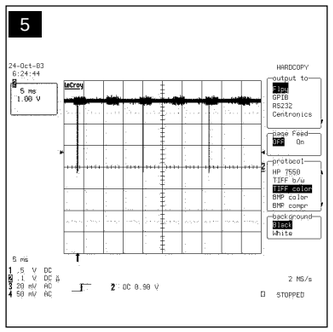




11 Schematic Diagrams







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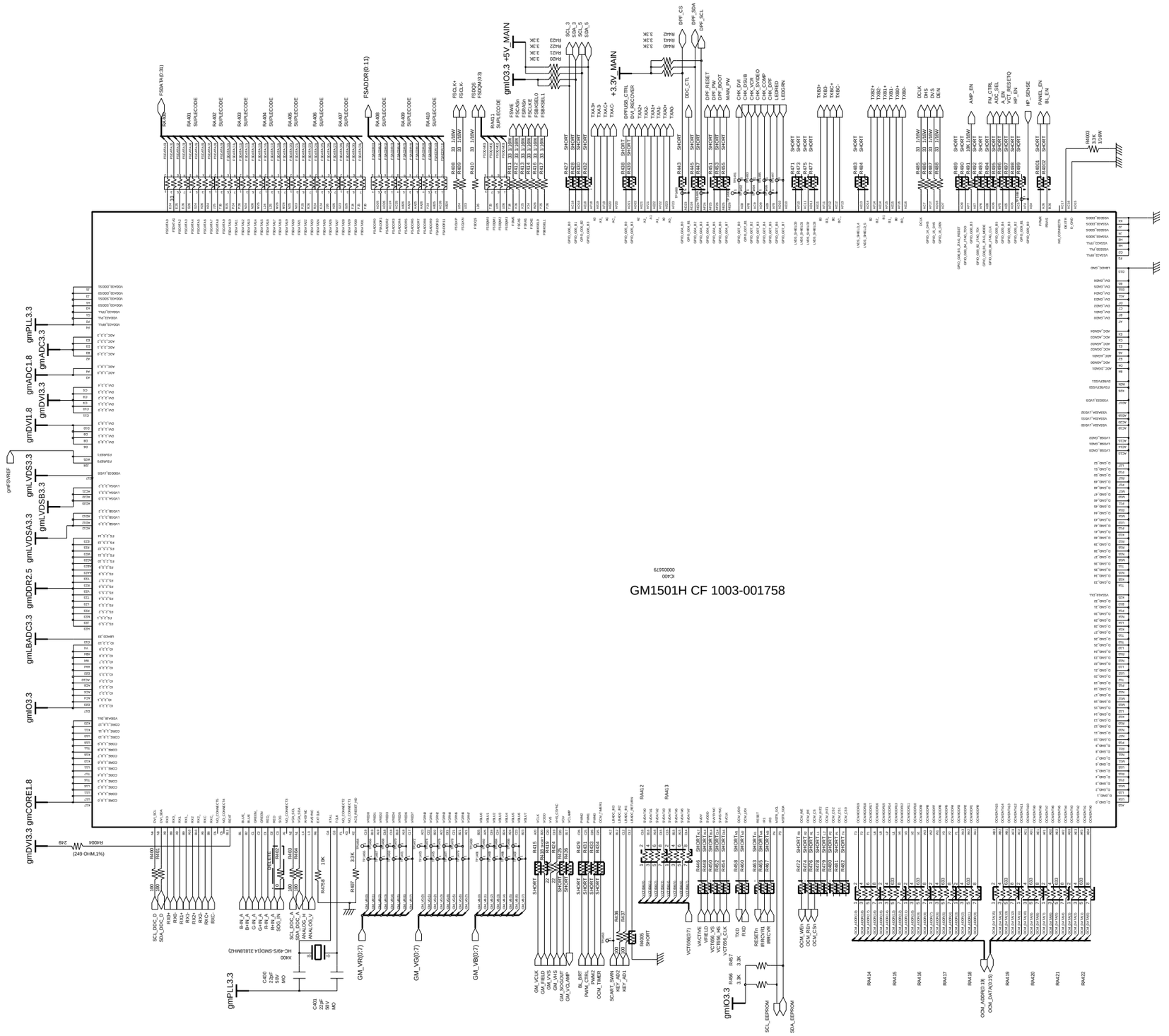
11-2 Scaler Part Schematic Diagram



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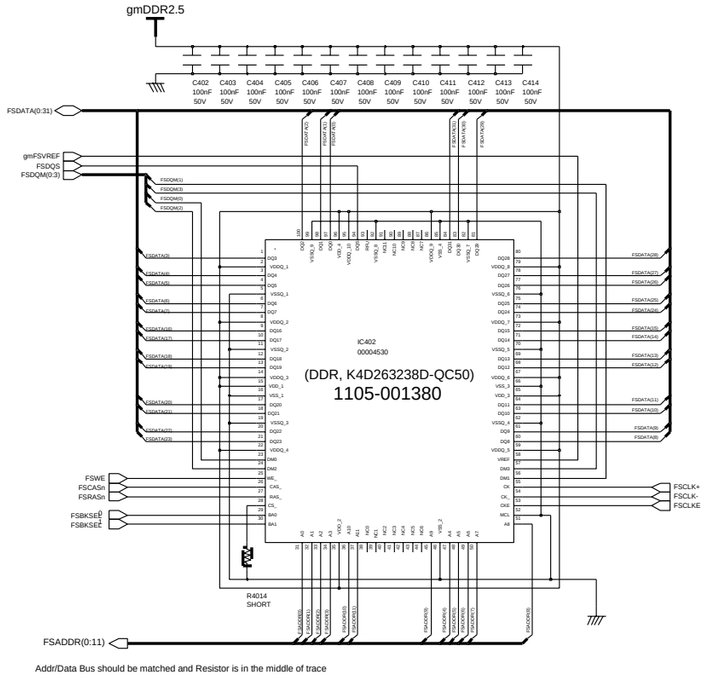
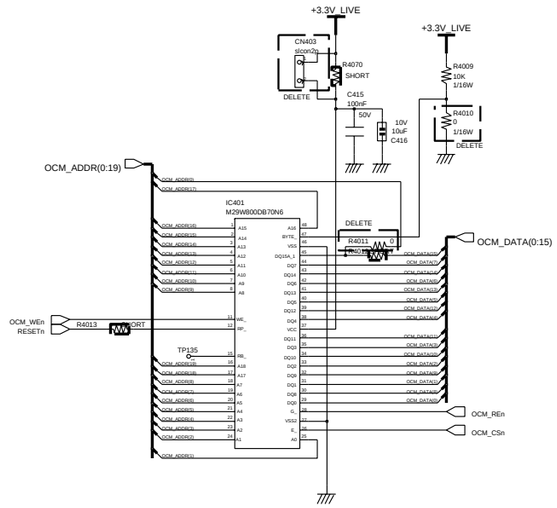
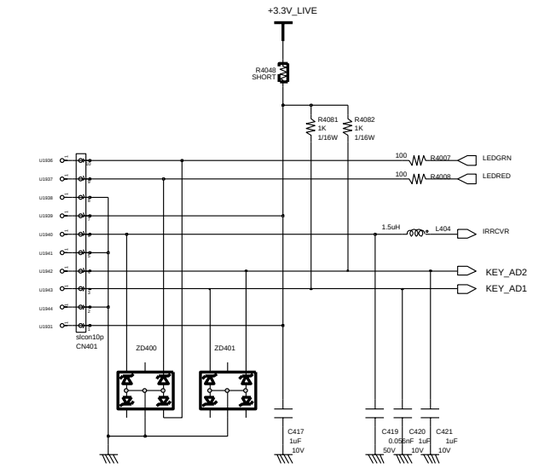
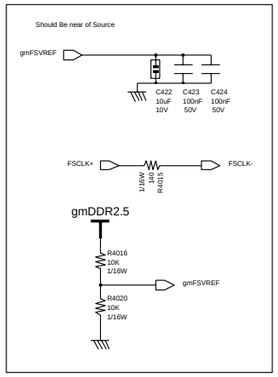
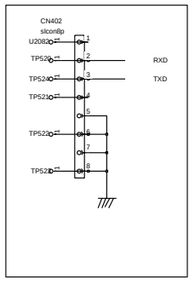
11-3 MUC and FUNCTION Part Schematic Diagram

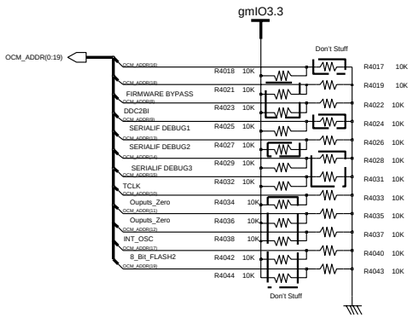


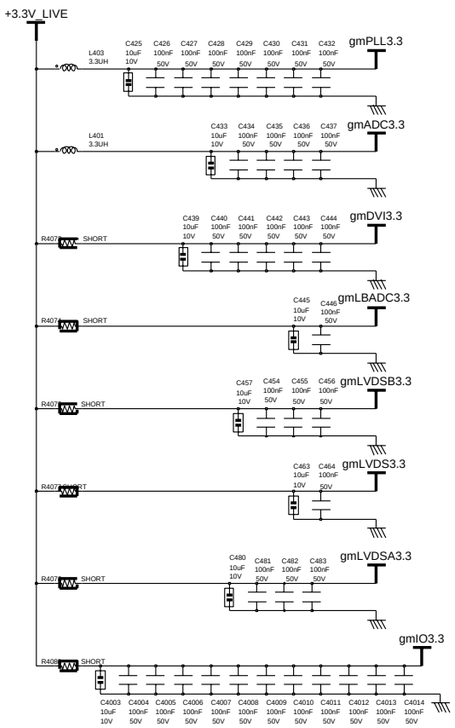


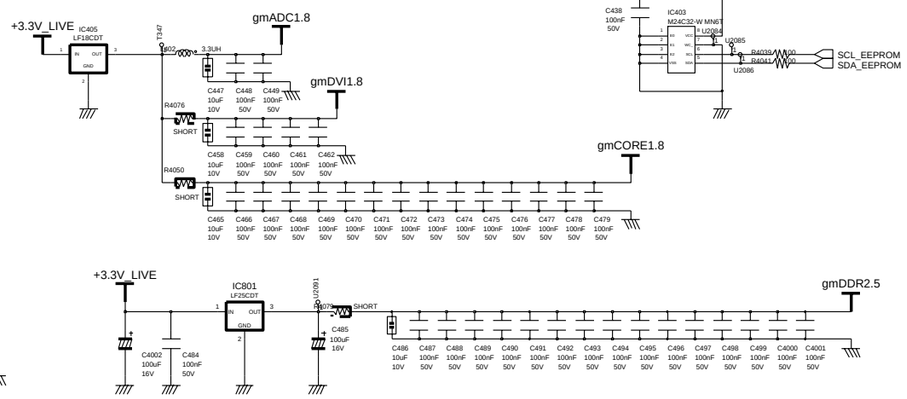


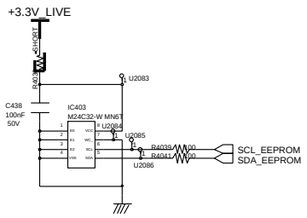


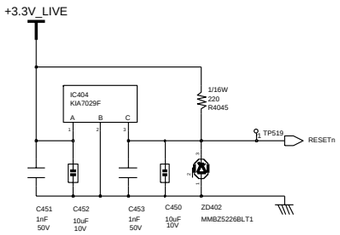


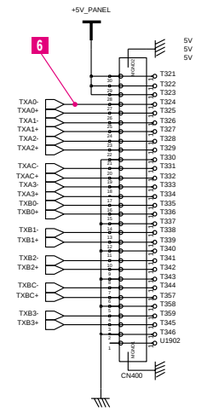


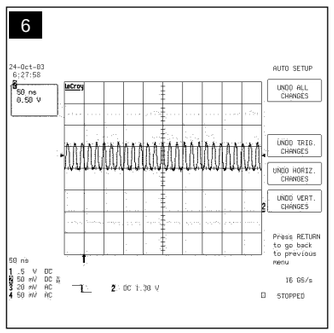











6
24-Oct-03
6:27:58
50 ns
0.50 V
AUTO SETUP
UNDO ALL CHANGES
UNDO TRIG. CHANGES
UNDO HORIZ. CHANGES
UNDO VERT. CHANGES
Press RETURN to go back to previous menu
50 ns
1 .5 V DC
2 50 mV DC
3 20 mV AC
4 50 mV AC
2 DC 1.36 V
16 GS/s
STOPPED

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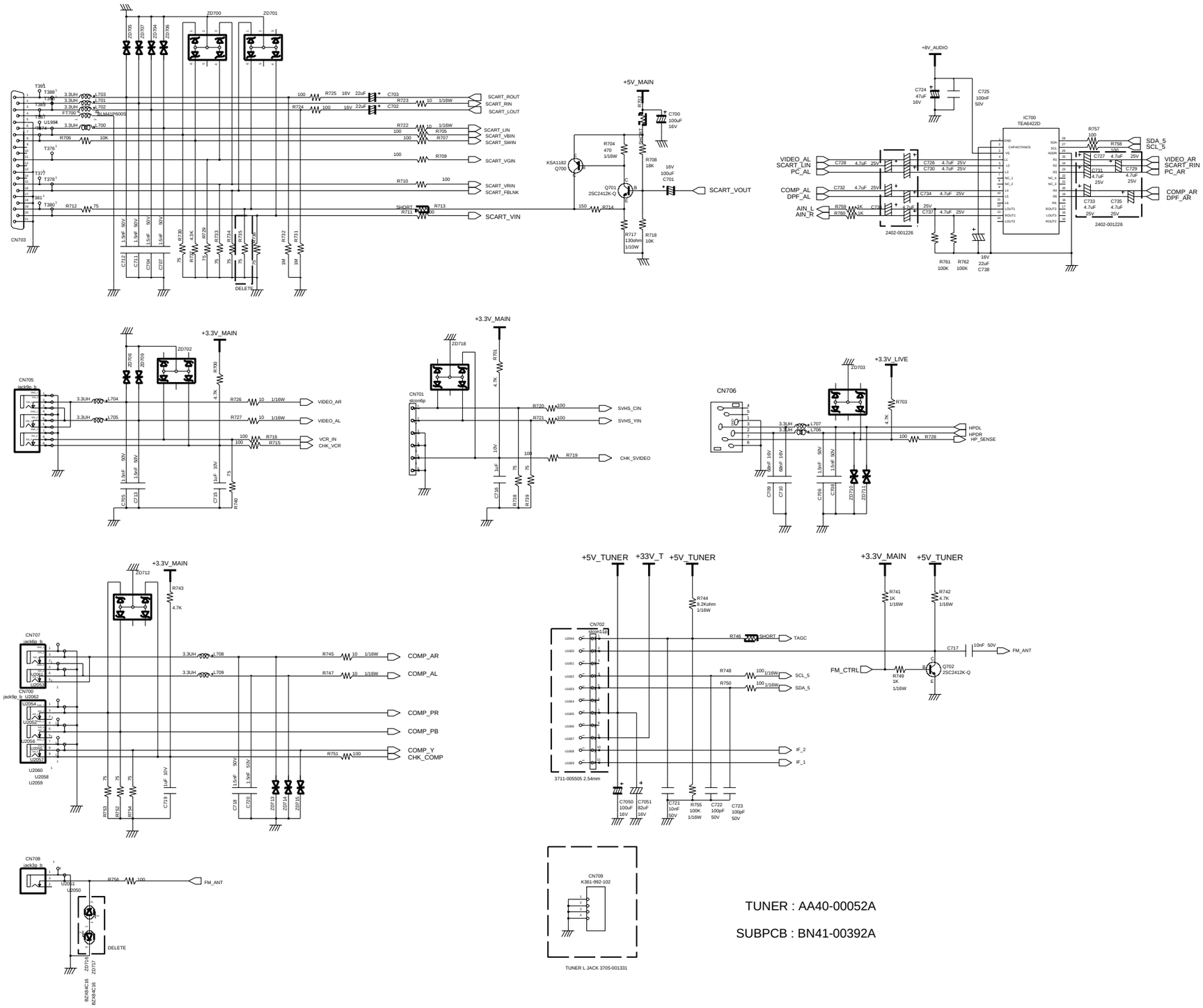
11-4 Video Input Part Schematic Diagram



TUNER : AA40-00052A

SUBPCB : BN41-00392A

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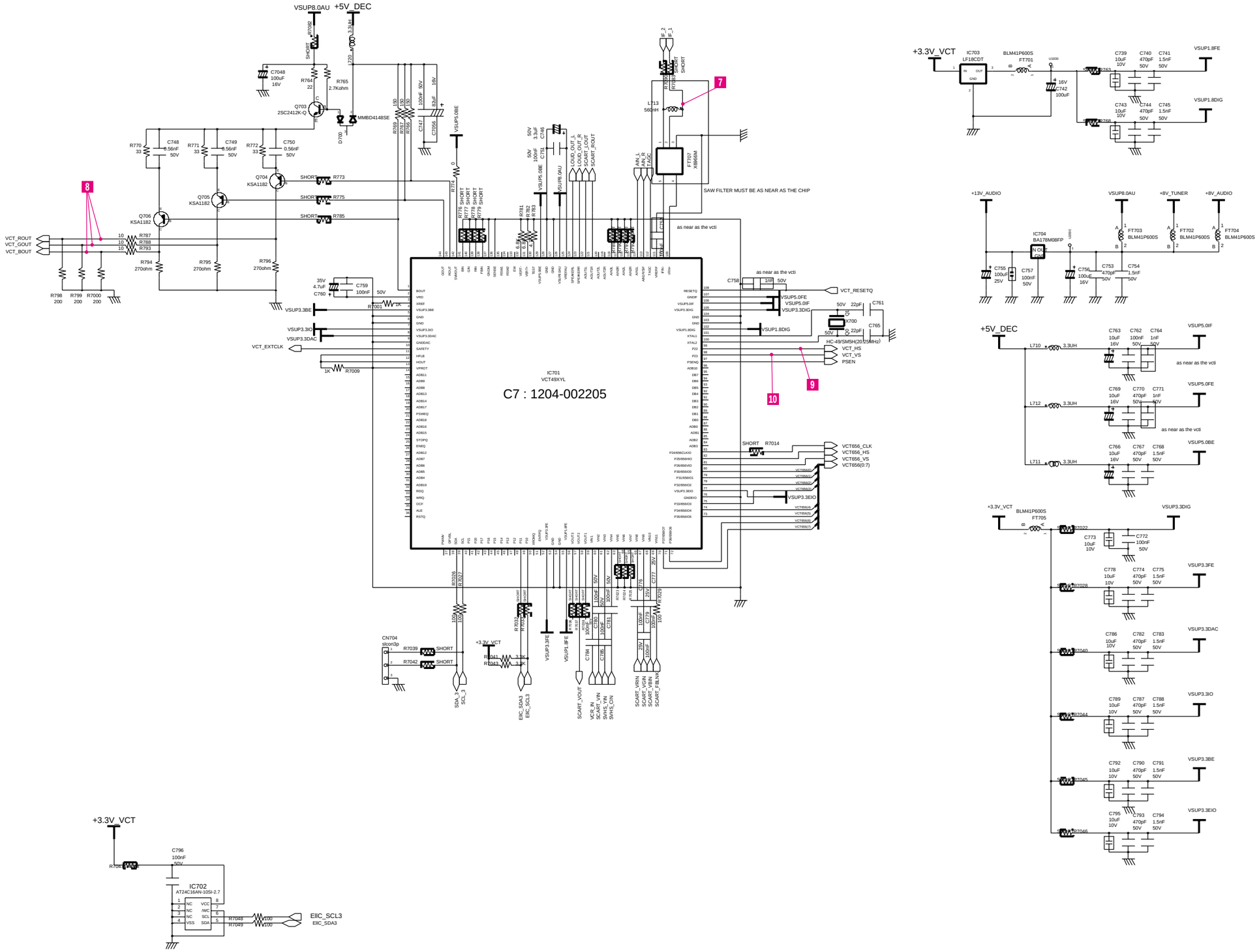
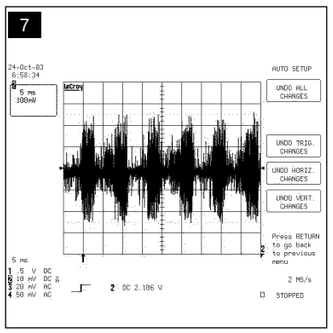
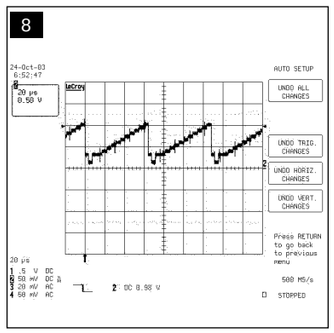
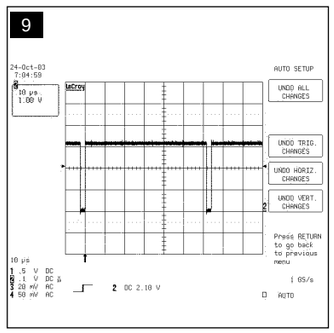
11-5 VIDEO Part Schematic Diagram

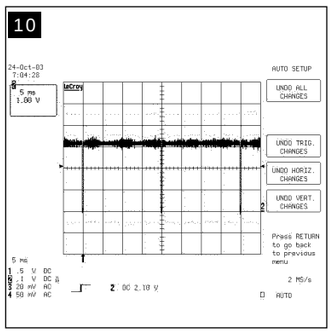


11 Schematic Diagrams









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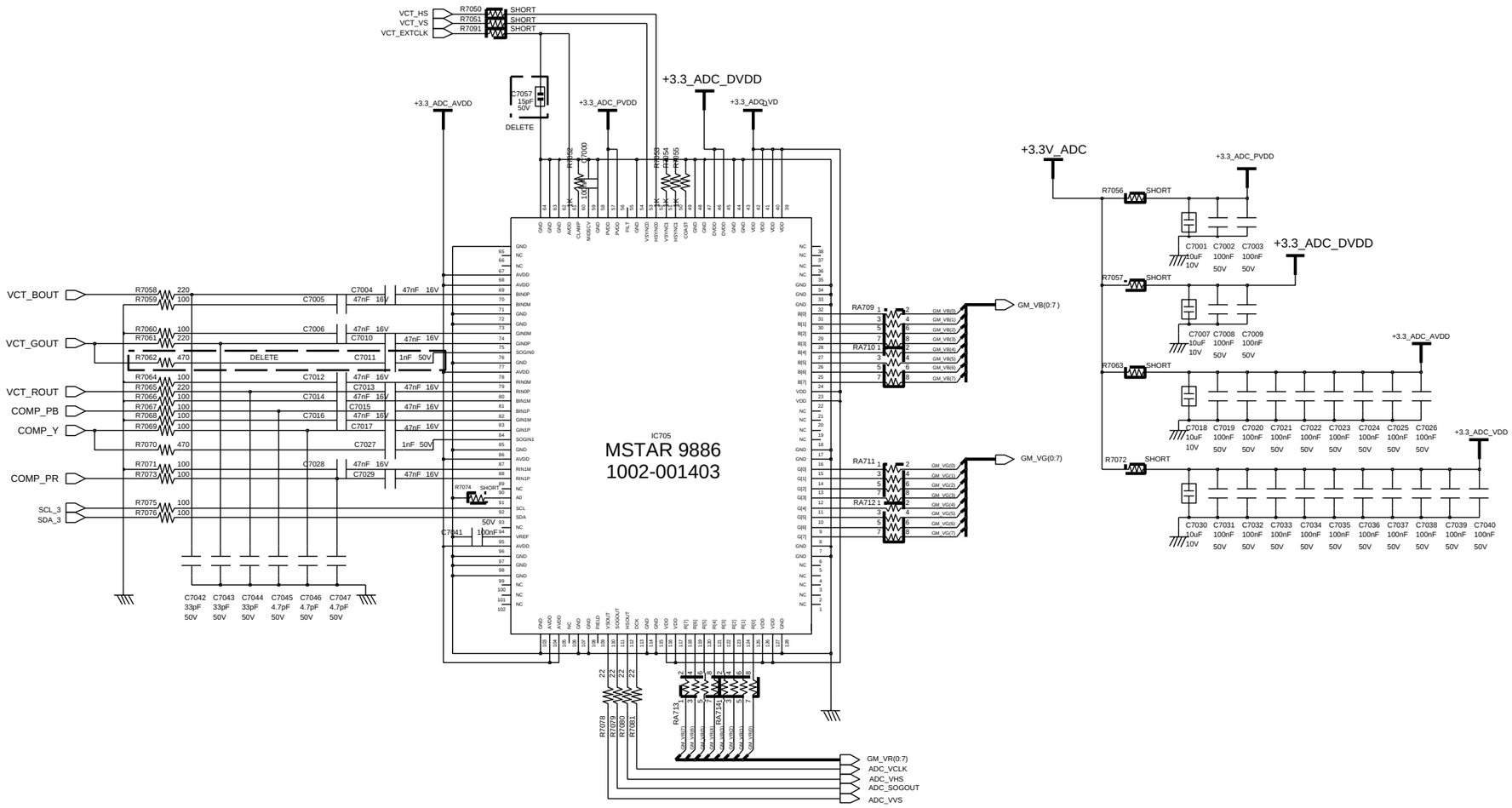
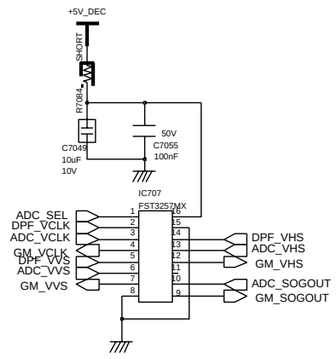
11-6 ADC Part Schematic Diagram





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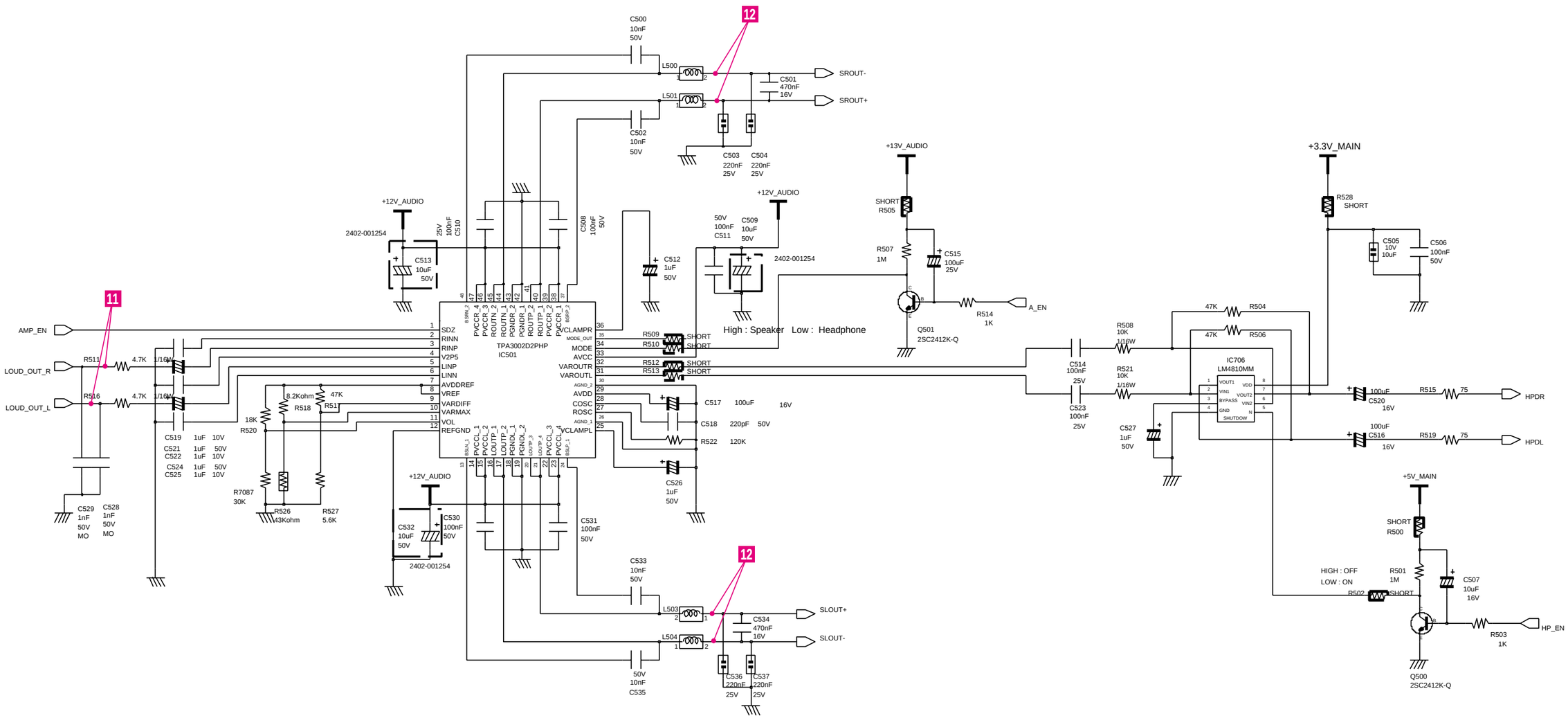
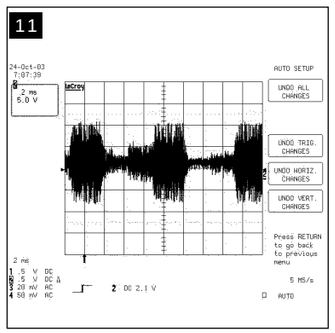
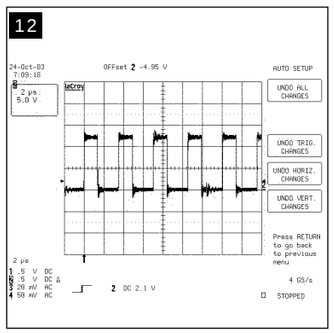
11-7 Audio Part Schematic Diagram




11
24-Oct-03
7:07:39
2 ms
5.0 V
LeCroy
AUTO SETUP
UNDO ALL CHANGES
UNDO TRIG. CHANGES
UNDO HORIZ. CHANGES
UNDO VERT. CHANGES
Press RETURN to go back to previous menu
2 ms
1 .5 V DC
.5 V DC
20 mV AC
50 mV AC
2 DC 2.1 V
5 MS/s
AUTO


12
24-Oct-03
7:09:16
OFFset 2 -4.95 V
2 µs
5.0 V
LeCroy
AUTO SETUP
UNDO ALL CHANGES
UNDO TRIG. CHANGES
UNDO HORIZ. CHANGES
UNDO VERT. CHANGES
Press RETURN to go back to previous menu
2 µs
1 .5 V DC
.5 V DC
20 mV AC
50 mV AC
2 DC 2.1 V
4 GS/s
STOPPED

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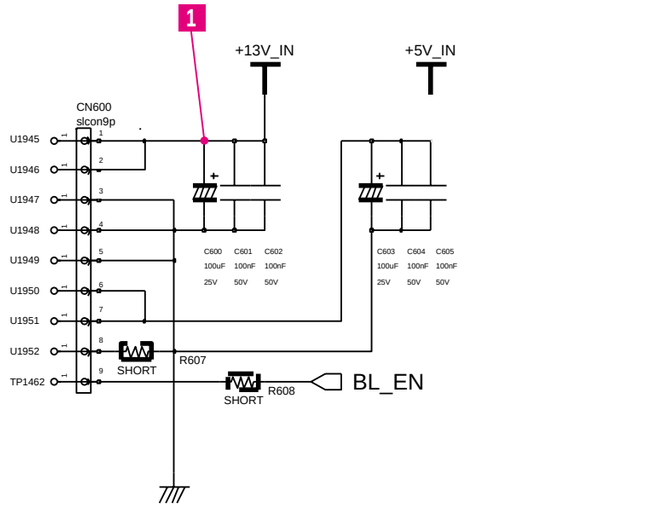
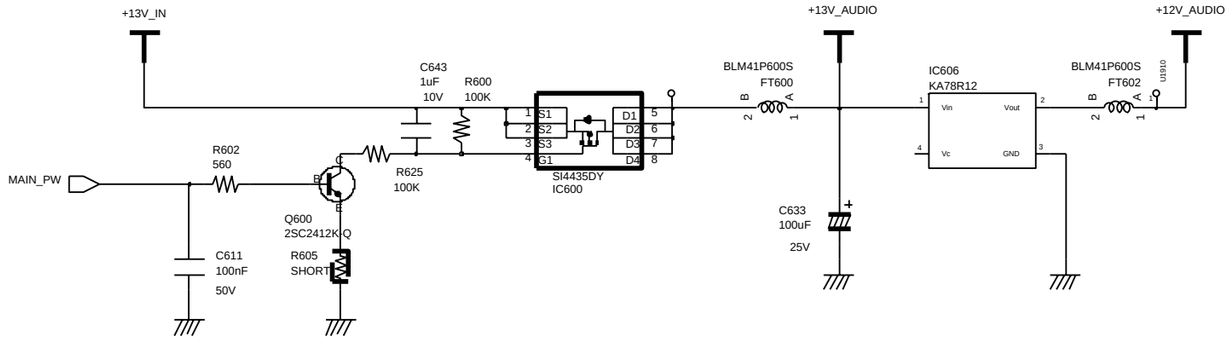
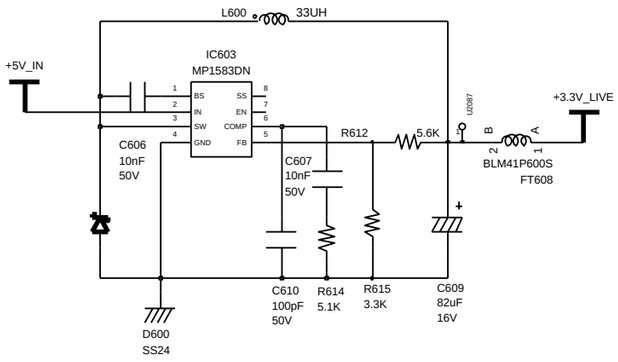
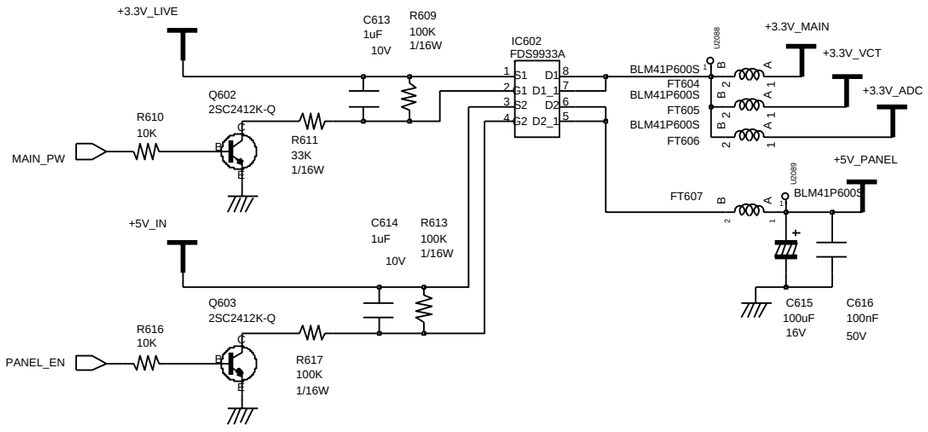
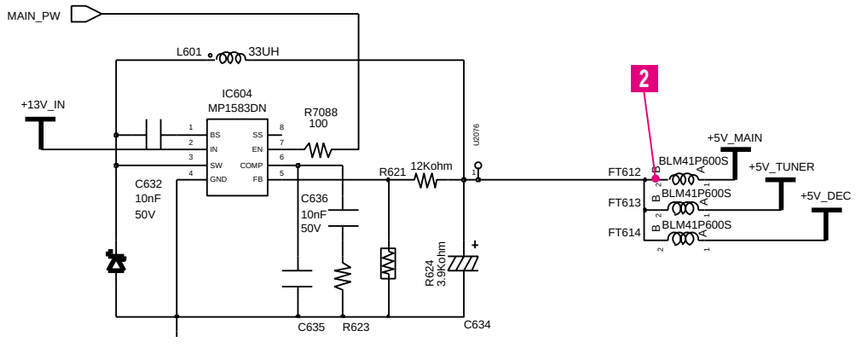
11-8 Power and Inverter Part Schematic Diagram

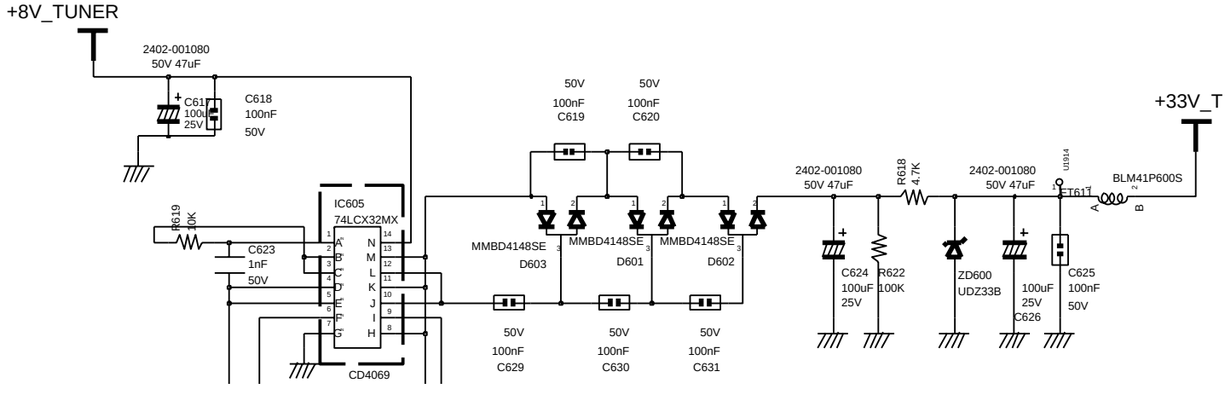


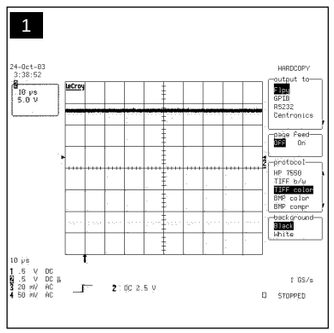


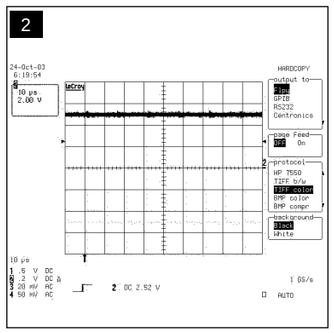









1
24-Oct-03
3:38:52
10 µs
5.0 V
HARDCOPY
output to
Plot
GPIB
RS232
Centronics
page Feed
Off
On
protocol
HP 7550
TIFF b/w
TIFF color
BMP color
BMP compr
background
Black
White
10 µs
1 5 V DC
2 5 V DC Δ
3 20 mV AC
4 50 mV AC
2 DC 2.5 V
1 GS/s
STOPPED


2
24-Oct-03
6:19:54
10 µs
2.00 V
HARDCOPY
output to
Plot
GPIB
RS232
Centronics
page Feed
Off
On
protocol
HP 7550
TIFF b/w
TIFF color
BMP color
BMP compr
background
Black
White
10 µs
1 5 V DC
2 2 V DC Δ
3 20 mV AC
4 50 mV AC
2 DC 2.52 V
1 GS/s
AUTO

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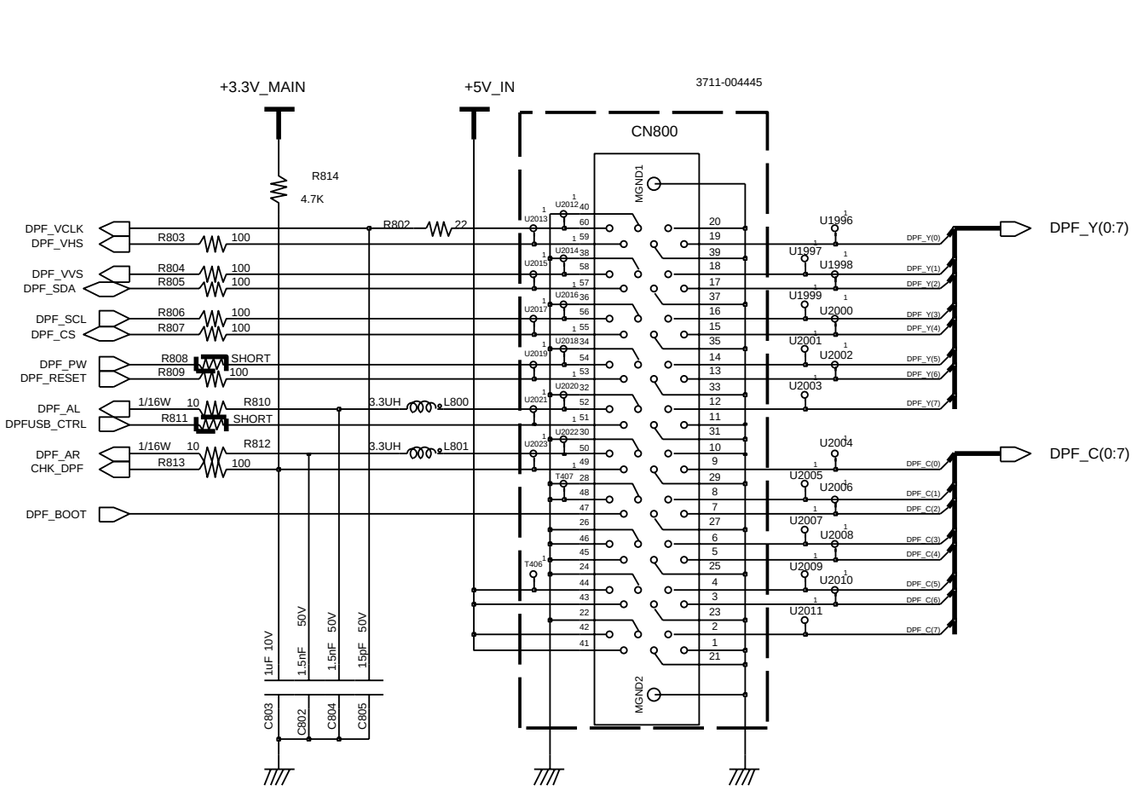
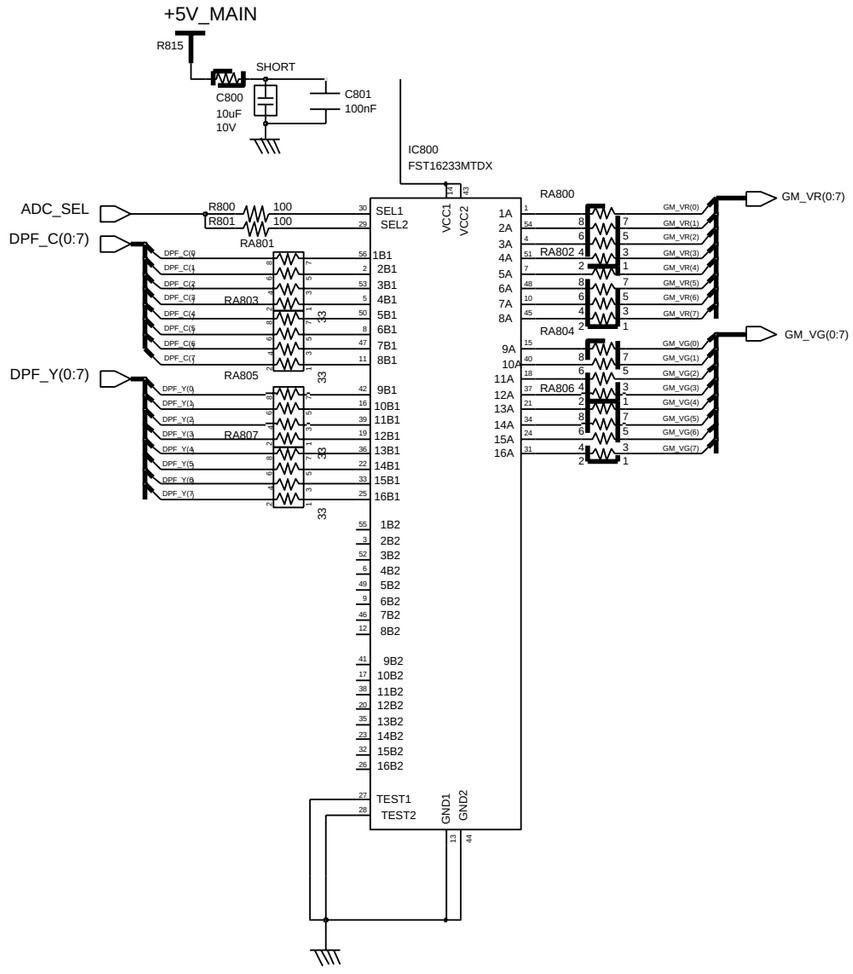
11-9 DPF INTERFACE Schematic Diagram





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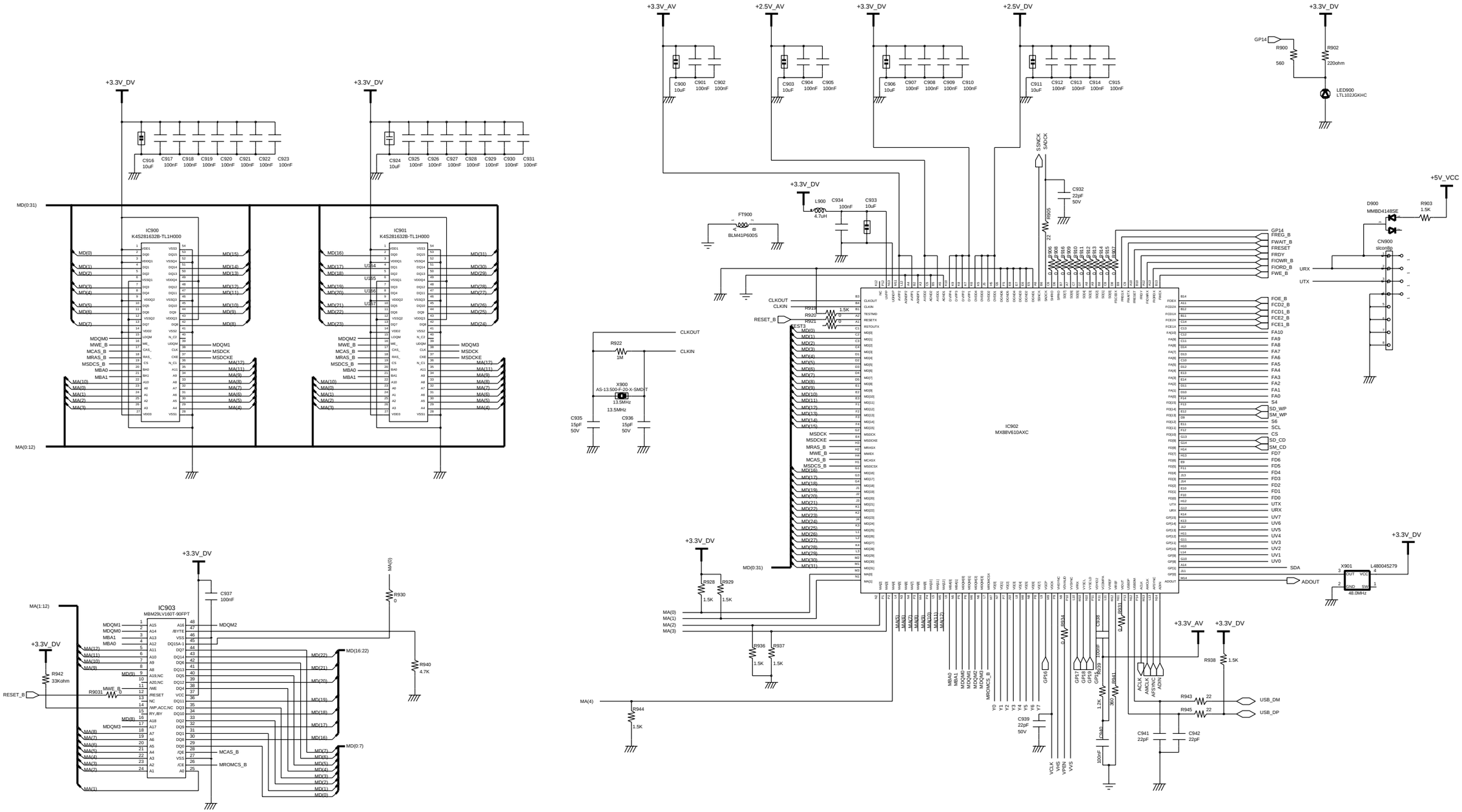
11-10 Controller Schematic Diagram



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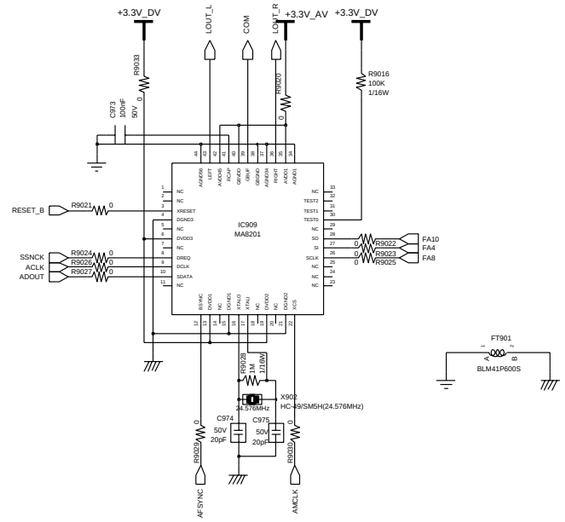
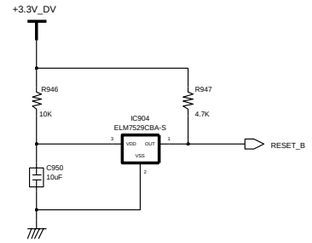
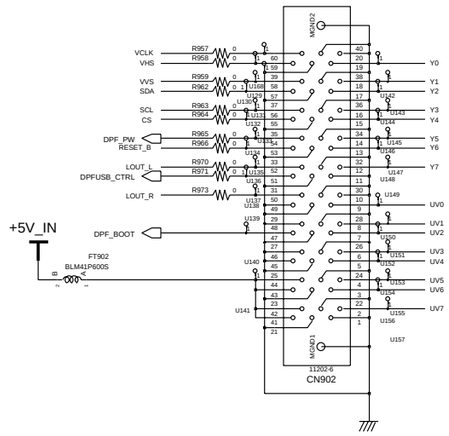
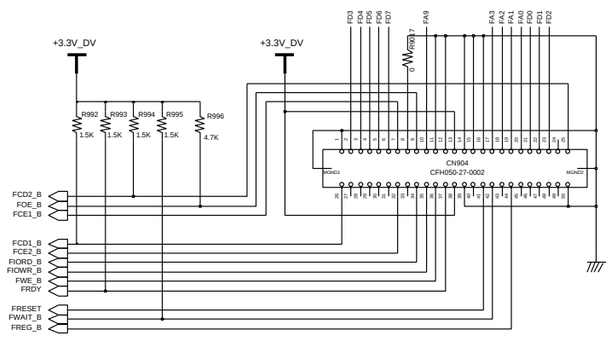
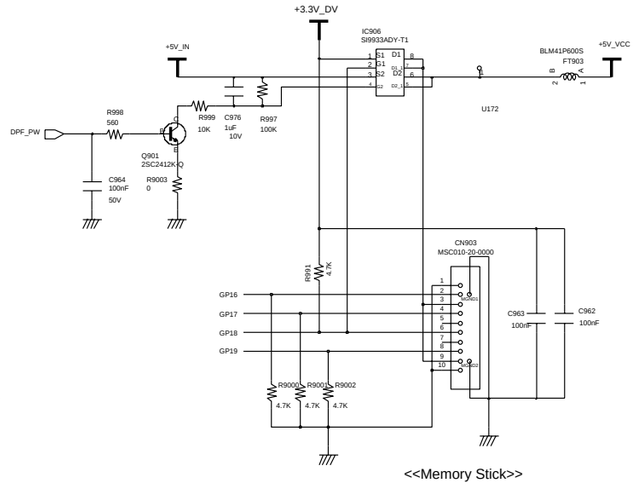
11-11 Memory and MP3 Schematic Diagram

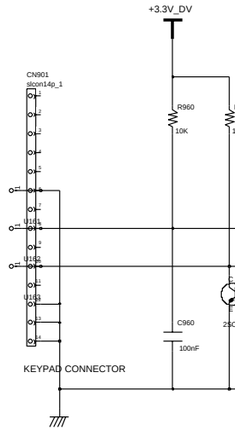


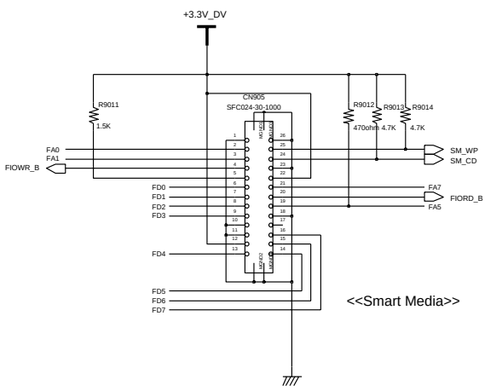


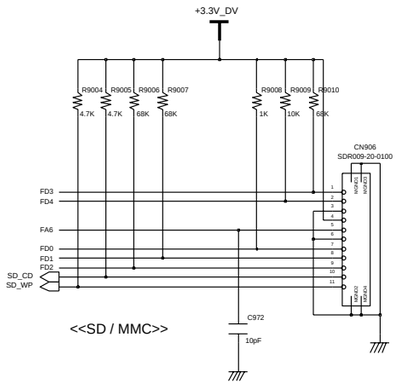


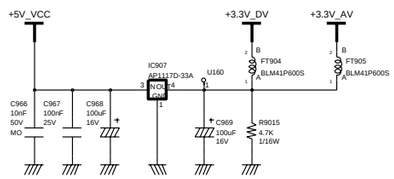


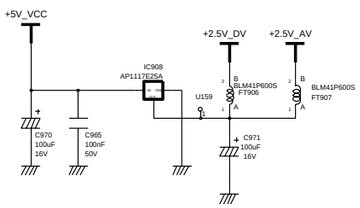












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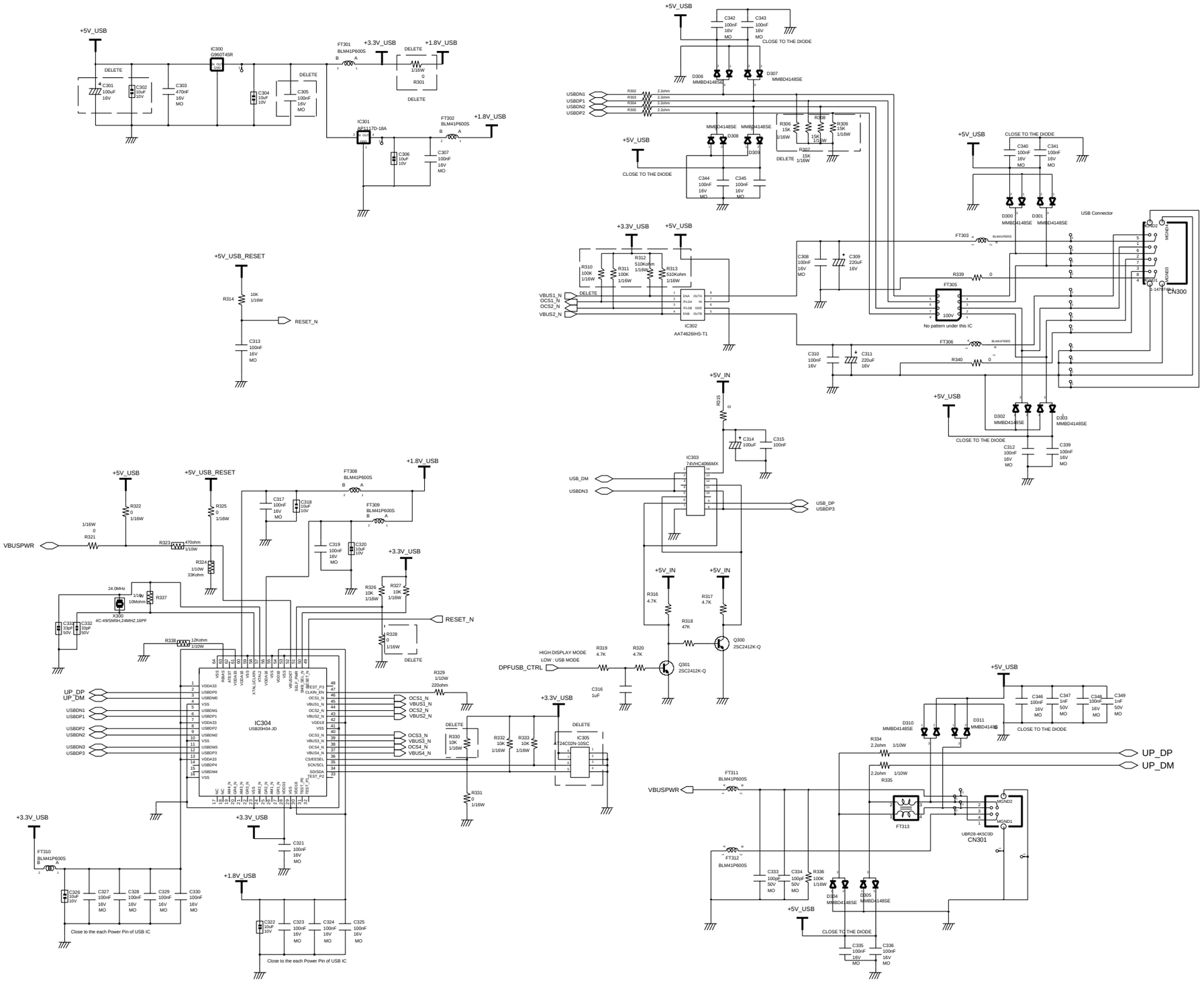
11-12 USB HUB Schematic Diagram



Memo